Feeling Stuck? Start Here.

Learn AI, Web Development & Blockchain – Step by Step

Offline Classes | Real Projects
Internship | Hackathon
Certification

You don't need to be the smartest – you just need a place to start.

This is for You If...

- ✅ You're curious but don't know where to start
- ✅ You want to build real things – not just watch tutorials
- ✅ You're tired of chasing degrees – you want skills that actually matter
- ✅ You're ready to learn fast, grow confidently, and do real work

Fast Track Batch ~Limited Seats (30 Students)

Book Your First Class – Completely Free

+91 74810 42783

3rd Floor Suman Tower, Above Icici Bank,
Aakashwani , Adityapur-1, 831013, Jamshedpur,
Jharkhand

Astratech
LEARN & BUILD

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Check back side for full course details, project list, and fee structure

AstraTech AI Fullstack Web Development + AI + Web3 Program Overview

Welcome to the AstraTech AI Fullstack Web Development + AI + Web3 Program, a comprehensive 5-month offline career program designed to equip you with cutting-edge skills in full-stack development, artificial intelligence, and Web3 technologies. This program is perfect for individuals who are eager to transform their tech careers with hands-on experience, real-world projects, and a supportive learning environment.

Who is This Program For?

1. Aspiring Tech Professionals Seeking Internship and Certification

If you are looking to gain verified certifications and valuable internship experience, this program is tailored for you. By participating, you'll receive a prestigious certification that endorses your comprehensive knowledge and skills. Additionally, our 1-month internship provides immersive industry experience, allowing you to apply your learning in a professional setting.

2. Enthusiasts Ready to Learn Real Skills and Engage in Real Projects

For those who are passionate about acquiring practical skills and working on impactful projects, this program offers a dynamic learning environment. With our emphasis on hands-on projects, hackathons, and team-based problem-solving, you will develop the expertise needed to excel in the tech industry.

3. Individuals Seeking a Clear Path to Employment

If you find yourself stuck in a loop, needing a job but lacking a concrete plan, this program provides the clarity and structure you need. We focus on career readiness through resume building, GitHub portfolio setup, and mock interviews, ensuring you have a clear pathway to employment upon completion.

Program Highlights

- **Comprehensive Curriculum**: Covering Core JavaScript, React.js, Node.js, Express.js, MongoDB, AI Basics, and Web3 technologies.
- **Real-World Projects**: Engage in three major projects, integrating MERN stack, AI, and Web3 elements.
- **Career Support**: Participate in resume building, mock interviews, and speaking & communication sessions.
- **Industry Experience**: Benefit from a 1-month internship, a prestigious certification, and a job guarantee upon successful program completion.

- **Hackathons**: Participate in two competitive hackathons per month, fostering innovation and teamwork.

Why Choose AstraTech AI?

- **Hands-On Learning**: Our curriculum emphasizes practical, real-world application through projects and hackathons.
- **Supportive Environment**: Learn in a collaborative offline setting with access to mentors and peers.
- **Career-Focused Approach**: We provide robust support in resume development, portfolio curation, and job placement.
- **Flexible Pricing Options**: Choose from various payment plans to suit your financial needs, including a special offer for group enrollments.

Enrollment Details

- **Location**: Suman Tower, 3rd Floor, Above ICICI Bank, Adityapur 1, Jamshedpur – 831013
- **Contact**: +91 74810 42783 (Call/WhatsApp)
- **Website**: www.astratechai.com

Special Offer

- Enroll with a friend for a total of ₹20,000.
- First demo class is free—experience our teaching approach risk-free.

Tagline: Build Skills. Get Certified. Launch Your Career.

Join us at AstraTech AI to embark on a transformative journey in technology, where you'll build skills, gain certifications, and launch your career with confidence and competence.

Syllabus of Fast-Track Batch

🎨 **AstraTech AI | Fullstack Web Development + AI + Web3**

🌈 **5-Month Offline Career Program with Internship & Job Support**

Includes Internship, Hackathons, and Job Support

Course Structure Overview

🕐 **Duration:** 5 Months
📅 **Schedule:** 3 days per week (Offline in Adityapur, Jamshedpur)
✨ **Highlights:** 2 Hackathons per month, team-based, real-world problem-solving
🎓 **Includes:**

🎨 Hands-on Projects, 🌟 Resume Building, 🎤 Speaking Skills, 🎭 Mock Interviews

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Monthly Breakdown

🌟 Month 1: Core JavaScript & Git + Frontend (HTML/CSS/JS) Basics

- **Week 1: JavaScript Foundations**
  - Delve into variables, data types, and operators, equipping students with the ability to manipulate data efficiently.
  - Explore functions, conditionals, and loops to develop logic-based applications.
  - Understand arrays and objects for structured data management.
  - Master DOM manipulation to dynamically interact with web pages.
  - Learn about events and event listeners to enhance user interaction.
- **Week 2: Git & GitHub + HTML/CSS Review**
  - Initiate, commit, push, pull, and branch with Git, establishing a robust version control system.
  - Navigate GitHub, the quintessential platform for collaboration and code management.
  - Revisit HTML5 structure and CSS3 fundamentals, focusing on the box model, positioning, Flexbox, and Grid for responsive design.
- **Week 3: Modern JavaScript (ES6+)**
  - Implement arrow functions and template literals for concise and readable code.
  - Utilize destructuring and spread/rest operators to simplify data manipulation.
  - Embrace classes and modules for organized and reusable code.
  - Handle asynchronous operations with promises and async/await.
  - Fetch API to interact with server-side resources seamlessly.
- **Week 4: Tools and Debugging**
  - Leverage Chrome DevTools for debugging and optimizing web applications.
  - Enhance productivity with VSCode extensions.
  - Maintain code quality using ESLint and Prettier.
  - Understand the basics of NPM for managing project dependencies.

🌟 Month 2: React.js + AI Basics (Client-side ML)

- **Week 1: React Fundamentals**
  - Construct dynamic user interfaces with JSX and components.
  - Manage state and props to reflect real-time data changes.
  - Control component lifecycle with useState and useEffect.
  - Implement events and conditional rendering for interactive applications.
- **Week 2: React Router + Forms**
  - Navigate single-page applications using react-router-dom.
  - Differentiate between controlled and uncontrolled forms, ensuring data integrity.
  - Validate forms to enhance user experience.
  - Utilize useRef and useContext for advanced state management.
- **Week 3: Project 1 – Simple React App**
  - Develop a Todo or Weather App, incorporating routing, components, and form handling to apply learned skills.
- **Week 4: AI Basics in JavaScript**
  - Differentiate between AI, ML, and DL, setting a foundation for intelligent applications.
  - Introduction to TensorFlow.js for client-side machine learning.
  - Load pre-trained models like MobileNet for immediate AI integration.
  - Execute image classification models directly in the browser.

🌟 Month 3: Node.js + Express.js + MongoDB

- **Week 1: Node.js Essentials**
  - Set up a robust Node.js environment for server-side scripting.
  - Master modules with require/export for modular applications.
  - Manage files, events, and buffers efficiently.
  - Explore NPM modules to extend application functionality.
- **Week 2: Express.js & REST API**
  - Develop RESTful APIs using Express.js for web services.
  - Implement middleware for request handling.
  - Ensure error handling for stable applications.
- **Week 3: MongoDB (NoSQL) + Mongoose**
  - Grasp MongoDB basics: collections and documents for flexible data storage.
  - Perform CRUD operations in MongoDB.
  - Design schemas and models with Mongoose for structured data.
  - Connect MongoDB with Node.js seamlessly.
- **Week 4: Project 2 – Full Stack MERN CRUD App**
  - Create a Blog or Notes App, integrating React frontend with Node/Express backend and MongoDB for a comprehensive application.

🌟 Month 4: Advanced MERN + AI Integration (APIs + Server-side ML)

- **Week 1: Authentication & Security**
  - Implement JWT-based authentication for secure user management.
  - Hash passwords using bcrypt for enhanced security.
  - Establish role-based access control.
  - Apply CORS, Helmet, and rate limiting for application security.
- **Week 2: File Upload + Cloudinary**

- ○ Manage image and file uploads in React and Express.
- ○ Utilize Cloudinary or Firebase for efficient storage solutions.
- ○ Implement image previews for better user interaction.
- **Week 3: AI Integration with APIs**
  - ○ Integrate OpenAI API (e.g., ChatGPT) for advanced conversational capabilities.
  - ○ Utilize Hugging Face inference APIs for text processing.
  - ○ Apply AI for text classification and summarization.
  - ○ Implement voice recognition using the Web Speech API for accessibility.
- **Week 4: Project 3 – AI-Powered MERN App**
  - ○ Develop an AI Chatbot App or Image Captioning Tool, integrating AI via API or TensorFlow.js model.
  - ○ Ensure end-to-end functionality: from user inputs to AI response and database storage.

🌟 Month 5: Final Projects + Deployment + DevOps

- **Week 1: Real-time Features + Socket.IO**
  - ○ Introduce WebSockets for real-time applications.
  - ○ Implement chat or notification systems using socket.io.
  - ○ Explore the basics of blockchain technology.
- **Week 2: Final Project Planning**
  - ○ Select a capstone project, such as AI-enhanced productivity apps or AI health advisors.
  - ○ Design the frontend, backend, and AI integration.
  - ○ Learn about blockchain networks like Ethereum, Solana, and BNB.
- **Week 3: Final Project Development**
  - ○ Build and test full-stack applications.
  - ○ Use MongoDB Atlas, OpenAI/Hugging Face APIs, and TF.js as needed.
  - ○ Connect blockchain wallets using Metamask.
  - ○ Create a basic wallet connect app and fetch real-time on-chain user balances.
- **Week 4: Deployment + Resume/Portfolio**
  - ○ Deploy frontend applications to Vercel and backend services to Render/Heroku.
  - ○ Setup domain, HTTPS, and CI/CD pipelines.
  - ○ Develop a professional resume and project portfolio.
  - ○ Conduct mock interviews and clean up GitHub repositories.

Additional Learning Outcomes

- **Mini Web3 Module:**
- Wallet Connect, reading on-chain balances
- **AI in Web Dev:**
- Use ChatGPT, Hugging Face APIs, voice input, image generation
- **Dev Tools Mastery:**
- VS Code, Prettier, ESLint, Vercel, Render
- **Project Stack:**
- MERN + AI + Web3, integrated in 3 major projects

Career Readiness Section

- **Internship:**
- 1-month, providing immersive industry experience for all students.
- **Job Guarantee:**
- Offered upon the successful completion of major projects and internship.
- **Hackathons:**
- Participate in 2 competitive hackathons per month, fostering innovation and teamwork.
- **Resume Building + GitHub Portfolio Setup:**
- Curate an impressive portfolio to showcase your skills.
- **Mock Interviews + Speaking & Communication Sessions:**
- Develop essential soft skills for career advancement.

Certification and Internship Opportunities

Upon successful completion of the program, participants will receive a prestigious certification, endorsing their comprehensive knowledge and skills in full-stack development, AI, and Web3. The program also incorporates a valuable internship opportunity, allowing students to apply their learned skills in a professional environment, gaining practical experience that is crucial for a successful career launch.

Pricing Summary

The AstraTech AI Fullstack Web Development + AI + Web3 program offers flexible pricing options to accommodate different financial needs:

- 💰 **₹15,000 for 5-Month Career Program**
- : This is a one-time payment for the complete duration of the program, providing access to all the courses, resources, and support.
- 💸 **₹2,000/month for 12-Month Flexible Plan**
- : For those who prefer a more budget-friendly approach, this plan allows for monthly payments over a year, making it easier to manage financially.
- **Special Offer: 💰 ₹20,000 for Two Enrollments**
  In our introductory phase, we offer a special price for groups. Two individuals can enroll together for a total of ₹20,000, providing a cost-effective opportunity to learn and grow alongside a peer.
- 🎁 **First Demo Class is Free**
- : Experience our teaching approach and curriculum risk-free with a complimentary demo class before making a commitment.

Enroll now to take advantage of these pricing options and start your journey towards a promising career in tech.

- 💸 **₹2,000/month for 12-Month Flexible Plan**
- 🎁 **First Demo Class is Free**

📍 **Location:** Suman Tower, 3rd Floor, Above ICICI Bank, Adityapur 1, Jamshedpur – 831013
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AstraTech AI | Fullstack Web Development + AI + Web3

Free Demo Class

Experience Our Unique Teaching Approach

Join us for a free demo class to get a glimpse of our innovative curriculum designed to equip you with the skills necessary for a successful career in tech. This class serves as an introduction to our comprehensive 5-month career program, offering you the chance to experience our teaching methods and course content without any financial commitment.

Demo Class Details

- **Date and Time**: Monday, 6:00 PM to 8:00 PM
- **Location**: Suman Tower, 3rd Floor, Above ICICI Bank, Adityapur 1, Jamshedpur – 831013

What to Expect

During the demo class, you'll get a firsthand look at our interactive teaching style and explore the exciting topics our course covers, including Fullstack Web Development, Artificial Intelligence, and Web3 technologies. Our instructors will guide you through sample lessons and answer any questions you might have about the program.

Why Attend the Demo Class?

- **No Commitment**: Experience the class risk-free before making any decisions.
- **Meet the Instructors**: Get to know our experienced instructors who are eager to support your learning journey.
- **Explore the Curriculum**: Learn about the comprehensive scope of our program, including hands-on projects, hackathons, and career support.
- **Discover the Facilities**: Check out our learning environment and see how we foster a collaborative and supportive atmosphere.

How to Register

Registering for the demo class is easy. Simply contact us to reserve your spot:

- **Phone/WhatsApp**: +91 74810 42783

Join us to kickstart your journey in the tech world with AstraTech AI. With our support, you can build the skills you need, earn certification, and launch a rewarding career. Don't miss this opportunity to see what we have to offer – sign up for the demo class today!