

AYUSH KUMAR ROY

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EDUCATION

B.Tech in Artificial Intelligence & Machine Learning, SB. Jain Institute Nagpur. 2021 - 2025
Final Year with 7.2 CGPA

Higher Secondary School, Sandipani High School Nagpur. 2019 - 2021
HSC Percent: 86%

SKILLS

Frontend Technologies:	HTML, CSS, Javascript, Reactjs.
Backend & APIs:	Nodejs, REST API , Express js
Database :	PostgreSQL (basic), MongoDB, SQL
Tools :	Git, GitHub, VS Code, Browser DevTools, Postman, ChatGPT
Core Concepts :	OOPS, SDLC, API Integration
Soft Skills	Collaboration, Team Work, Adaptability.

EXPERIENCE

Web Developer – Intern September 2025 – Feb 2026
Developer Arena

- Developed a Codebase Visualizer using the MERN stack to analyze GitHub repositories and display project structure, file hierarchy, and module dependencies through an interactive dashboard.
- Implemented repository parsing, dependency mapping, and dynamic graph visualization using React, Node.js, Express, MongoDB, and React Flow to improve codebase understanding and navigation.

Frontend Developer – Intern December 2024 – June 2025
Micronet Solutions, Nagpur

- Developed and optimized responsive UI components for multiple web application modules, improving cross-browser compatibility and reducing page rendering issues by 30%.
- Used Git/GitHub for version control and followed team coding standards.
- Integrated and tested 10+ frontend components with backend APIs, streamlining data flow and improving overall application responsiveness and user experience.

PROJECTS

PaperTrade

- Technologies: React.js, Node.js, Express.js, MongoDB, REST APIs.
- Developed a MERN-based paper trading platform using Yahoo Finance APIs for real-time market data.
- Implemented complete CRUD operations for data creation, retrieval, updating, and deletion using Node.js, Express.js, MongoDB, and REST APIs.
- Designed and maintained Express.js routes for optimized server-side data access and API communication.

Intelligent Home Automation System Using IoT

- Technologies: JavaScript, HTML, CSS.
- Developed a frontend dashboard for monitoring and controlling IoT-enabled smart home devices.
- Implemented interactive and responsive UI components while collaborating with backend teams for seamless workflow integration.
- Documented API endpoints and project workflows to improve maintainability and collaboration.