

Ayush Upadhyay

Aspiring Software Engineer — Full Stack Developer — MERN — AI/ML — Docker — Cloud Deployment

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Portfolio](#)

KEY SKILLS

MERN Stack, JavaScript, TypeScript, Python, C++, React.js, Next.js, Tailwind CSS, Bootstrap, Node.js, Express.js, REST APIs, Microservices, Docker, CI/CD, MongoDB, MySQL, PostgreSQL, Railway, Render, Vercel, AI/ML, Numpy, Pandas, Fraud Detection, Authentication (JWT, OAuth, Passport.js), Cloud Deployment, Third-Party API Integration (Razorpay, Cloudinary, Mapbox)

EDUCATION

Bundelkhand Institute of Engineering and Technology (BIET), Jhansi

2022 – 2026

B.Tech in Computer Science and Engineering; CGPA: 7.00/10 (till 6th Semester)

Jawahar Lal Nehru Inter College, Kanpur Nagar

2020 – 2021

Intermediate; Percentage: 78.4%

EXPERIENCE

Full Stack Developer Intern (WorkNest) | [\(Open Link\)](#)

July 2025 – Sept 2025

Uptricks Services Private Limited

- Engineered a full-stack task management platform (MERN) with JWT authentication, real-time WebSocket updates, and modular RESTful APIs.
- Delivered a fully responsive, notification-driven UI enabling seamless task coordination and collaboration across teams.

SELECTED PROJECTS

SmartBanking System Project (SDE Role) | MERN, Docker, CI/CD, Git | [\(Open Link\)](#)

June 2025

- Designed and implemented a full-stack fintech platform with scalable architecture, analytics dashboards, and real-time notification services.
- Built and deployed using CI/CD pipelines (GitHub Actions) and Dockerized containers for seamless integration and scalability.

DocOnTime | EJS, CSS, Node.js, Razorpay, JWT, MongoDB | [\(Open Link\)](#)

Feb 2025 – Mar 2025

- Developed an AI-powered healthcare booking platform with a symptom checker, Razorpay payment integration, and secure JWT authentication.
- Implemented dynamic doctor-patient scheduling, appointment tracking, and a fully responsive front-end.

MiniOS | C++ | [\(Open Link\)](#)

Apr 2025

- Built a custom OS-level CLI system simulating file system operations, CPU scheduling, and user authentication.
- Developed core modules for command parsing, memory management, and access controls to mimic real-world OS behavior.

Fraud Detector | Django, ML, Random Forest, Logistic Regression | [\(Open Link\)](#)

May 2025

- Developed an ML-based fraud detection app achieving 96%+ accuracy using Random Forest and Logistic Regression.
- Deployed on Render with a custom model pipeline, user authentication, and an intuitive interface for real-time fraud prediction.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++

Frontend: React.js, Next.js, Tailwind CSS, Bootstrap

Backend & APIs: Node.js, Express.js, REST APIs, Microservices, Cloud Deployment

Databases: MongoDB, MySQL, PostgreSQL

DevOps & Tools: Docker, CI/CD (GitHub Actions), Railway, Render, Vercel

AI/ML: Machine Learning Models, Fraud Detection, Data Pipelines, Numpy, Pandas

Authentication & Security: JWT, OAuth, Passport.js, Session-based

Third-Party API Integration: Razorpay, Cloudinary, Mapbox

CS Core: Operating System, DBMS, Computer Networks, System Design(LLD), OOPS