

# 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

<b>Bundelkhand Institute of Engineering and Technology (BIET), Jhansi</b> <i>B.Tech in Computer Science and Engineering; CGPA: 7.00/10 (till 6th Semester)</i>	2022 – 2026
<b>Jawahar Lal Nehru Inter College, Kanpur Nagar</b> <i>Intermediate; Percentage: 78.4%</i>	2020 – 2021

## EXPERIENCE

<b>Full Stack Developer Intern (WorkNest)</b> <i>(Open Link)</i> <i>Uptricks Services Private Limited</i>	July 2025 – Sept 2025
<ul style="list-style-type: none"><li>Engineered a full-stack task management platform (MERN) with JWT authentication, real-time WebSocket updates, and modular RESTful APIs.</li><li>Delivered a fully responsive, notification-driven UI enabling seamless task coordination and collaboration across teams.</li></ul>	

## SELECTED PROJECTS

<b>SmartBanking System Project (SDE Role)</b>   <i>MERN, Docker, CI/CD, Git</i>   <i>(Open Link)</i>	June 2025
<ul style="list-style-type: none"><li>Designed and implemented a full-stack fintech platform with scalable architecture, analytics dashboards, and real-time notification services.</li><li>Built and deployed using CI/CD pipelines (GitHub Actions) and Dockerized containers for seamless integration and scalability.</li></ul>	
<b>DocOnTime</b>   <i>EJS, CSS, Node.js, Razorpay, JWT, MongoDB</i>   <i>(Open Link)</i>	Feb 2025 – Mar 2025
<ul style="list-style-type: none"><li>Developed an AI-powered healthcare booking platform with a symptom checker, Razorpay payment integration, and secure JWT authentication.</li><li>Implemented dynamic doctor-patient scheduling, appointment tracking, and a fully responsive front-end.</li></ul>	
<b>MiniOS</b>   <i>C++</i>   <i>(Open Link)</i>	Apr 2025
<ul style="list-style-type: none"><li>Built a custom OS-level CLI system simulating file system operations, CPU scheduling, and user authentication.</li><li>Developed core modules for command parsing, memory management, and access controls to mimic real-world OS behavior.</li></ul>	
<b>Fraud Detector</b>   <i>Django, ML, Random Forest, Logistic Regression</i>   <i>(Open Link)</i>	May 2025
<ul style="list-style-type: none"><li>Developed an ML-based fraud detection app achieving 96%+ accuracy using Random Forest and Logistic Regression.</li><li>Deployed on Render with a custom model pipeline, user authentication, and an intuitive interface for real-time fraud prediction.</li></ul>	

## 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