Ayush Upadhyay

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LinkedIn: *Open Link* | Leetcode: *Open Link* | GFG: *Open Link*

Education

- ❖ **Bundelkhand Institute of Engineering and Technology (BIET), Jhansi**   (2022 – 2026)
  B.Tech in Computer Science and Engineering   CGPA: 7.00/10
- ❖ **Jawahar Lal Nehru Inter College , Kanpur Nagar**   (2020 – 2021)
  Intermediate   Percentage: 78.4%

Experience

- ❖ **Full Stack Intern (Uptricks Services Private Limited)**   *(Open Link)* (July 2025 – Sept 2025)
  Task Management System (WorkNest) — Engineered a *full-stack collaborative task management platform* with secure JWT auth, real-time WebSocket updates, and *modular RESTful APIs using MERN stack*. Delivered a fully responsive, notification-driven UI enabling seamless task coordination across teams.

Selected Projects

- ❖ **SmartBanking System Project (SDE Role)**   *(Open Link)* *(June 2025)*
  Designed and implemented a *full-stack fintech platform* with scalable architecture using *MERN*. Added analytics dashboards, and *real-time notification services*. Built *CI/CD pipelines and Dockerized deployment*.

- ❖ **DocOnTime**   *(Open Link)* *(Feb 2025 - March 2025)*
  AI-powered healthcare booking platform with a symptom checker**, Razorpay integration**, and **secure JWT** authentication. Built on **Node.js, MongoDB, and EJS**. Includes **dynamic doctor-patient scheduling**, appointment tracking, and a fully **responsive front-end powered by EJS and Tailwind**.

- ❖ **MiniOS**   *(Open Link)* *(April 2025)*
  Custom **OS-level CLI system** built in **C++ simulating file system**, CPU scheduling, and **basic user authentication**. Designed core modules for command parsing, **memory management**, and **user-level access controls** to simulate real-world OS behavior.

- ❖ **Fraud Detector**   *(Open Link)* *(May 2025)*
  ML-based Django app detecting financial fraud with 96%+ accuracy using **Random Forest** and **Logistic Regression**. **Deployed on Render**. Integrated a custom-trained **model pipeline with user authentication** and an intuitive interface for real-time fraud prediction.

Skills

- ❖ Languages: **JavaScript**, **TypeScript**, **Python**, **C++**
- ❖ Frontend: **React.js**, **Next.js**, **Tailwind CSS**, Bootstrap
- ❖ Backend**: Node.js, Express.js**
- ❖ Databases: **MongoDB, MySQL, PostgreSQL**
- ❖ DevOps & Tools**: Docker**, **CI/CD (GitHub Actions)**, Railway**, Render**, **Vercel**
- ❖ AI/ML: Integration, model pipelines, Numpy , Pandas
- ❖ Authentication: **JWT**, **OAuth**, Passport.js**, Session-based**
- ❖ API Integration: **Razorpay**, **Cloudinary**, Mapbox

Achievements

- ❖ Solved **500+ DSA** problems on **LeetCode** & GFG
- ❖ **JEE Mains** 2022: **94.037** percentile