Anurag Yadav

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Professional Summary

Software Engineer experienced in developing scalable backend systems and full-stack applications. Proficient in **NestJS, PostgreSQL, Prisma, TypeORM, Supabase, and MongoDB**, with a strong foundation in **Data Structures and Algorithms (500+ LeetCode problems)**. Passionate about designing high-performance distributed systems, optimizing algorithms, and delivering impactful software solutions. Continuously expanding expertise in **ML/AI**.

Experience

Software Engineer (Backend – NestJS), SoftxAI – Prayagraj   May 2025 – Oct 2025

- Built and optimized backend systems using **NestJS, TypeORM, PostgreSQL, and TypeScript**, improving scalability and reliability.
- Migrated legacy **Python modules to NestJS** and optimized queries with **raw SQL**, reducing API latency by **40%**.
- Ensured production-grade code with **unit testing (Jest)** and maintained **85%+ code coverage**.

Software Developer Intern, RegisterKaro – Gurgaon   Feb 2025 – May 2025

- Developed responsive UIs using **Next.js, TypeScript, and Tailwind CSS**, achieving **80%+ Lighthouse performance** and a **95%+ SEO score**.
- Migrated backend services from **Python to Node.js/Express + MongoDB**, improving performance and maintainability by **40%**.
- Optimized **MongoDB queries** and refactored backend logic and API response efficiency.

Technical Skills

- **Programming Languages:** C++, Python, TypeScript, JavaScript, SQL
- **Backend:** NestJS, Express.js, Node.js, REST APIs, Prisma ORM, TypeORM
- **Databases:** PostgreSQL (Supabase), MongoDB, MySQL
- **Frontend:** React.js, Next.js, TailwindCSS, Redux Toolkit
- **Cloud & Tools:** Git, GitHub, Jira, Postman
- **Data Science & ML:** Python, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn
- **Core CS:** Data Structures & Algorithms (500+ LeetCode problems)

Projects

Expense Tracker (Full-Stack)   GitHub | Live

- Full-stack tracker with **JWT authentication, transaction management, category-wise insights**.
- Backend: **NestJS + Prisma + Supabase (PostgreSQL)**; Frontend: **React + TailwindCSS**.
- Focused on **scalability and maintainability**.

E-Learning Platform   GitHub | Live

- Online learning system with **auth, course management, video lessons, quizzes**.
- Integrated **Redux Toolkit** state management and **MongoDB/Express** backend.
- Focused on robust architecture and smooth UX.

Accident Severity ML Predictor   GitHub | Live

- Developed ML model using **Random Forest** to predict accident severity with feature engineering
- Built interactive **Streamlit** web application with real-time predictions and data visualizations
- Deployed end-to-end solution on **Streamlit Cloud** demonstrating full ML pipeline expertise

Achievements & Certifications

- Solved **500+ LeetCode problems** (LeetCode Profile).
- Completed internships with RegisterKaro and SoftxAI.
- Currently learning **Machine Learning, AI, and AWS Cloud Practitioner**.