Shlok Agrahari

+91-6307380676 | agraharishlok25@gmail.com | linkedin.com/in/shlok-agrahari-a93522310/ | github.com/ShlokAgrahari

EDUCATION

Motital Nehru National Institute of Technology	2023-2027
Bachelor of Technology, Electrical Engineering	*CPI:8.64*
St. Mary's Convent School	2023
Senior Secondary Examination (I.S.C.)	*Percentage: 95.60%*
St. Mary's Convent School	2021
Higher Secondary Examination (I.C.S.E.)	*Percentage: 96.83%*

PROJECTS

EduVerse | *Source Code* — Nov 2024 – Dec 2024
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Socket.io, Razorpay API
- Built a scalable course platform enabling 50+ instructors to publish courses and 500+ students to enroll, learn, and track progress.
- Implemented a GenAI-powered system to generate lecture-wise notes and deliver personalized course recommendations based on user learning behavior.
- Integrated Razorpay for secure payments and implemented real-time communication using Socket.io, maintaining message latency under 200 ms.

DesignEx | *Source Code* — Mar 2025 – Jun 2025
- **Tech Stack:** Next.js, MongoDB, Zustand, Liveblocks.js, Tailwind CSS, Pusher, Stream SDK
- Engineered a real-time design editor using Next.js and Liveblocks, improving collaboration speed.
- Enabled 10+ users to co-edit simultaneously with Liveblocks presence and versioning, ensuring consistent updates.
- Integrated chat and video via Pusher and Stream SDK, reducing communication overhead during editing.

Bulldozer Price Prediction using Machine Learning | *Source Code* — Aug 2025 – Sep 2025
- **Tech Stack:** Google Colab, NumPy, Pandas, Matplotlib, Scikit-learn
- Trained a machine learning model using Random Forest on 40K+ bulldozer records, improving price-prediction accuracy.
- Designed temporal and categorical features and tuned hyperparameters with RandomizedSearchCV, boosting R^2 from 0.83 to 0.88.
- Automated preprocessing and missing-value handling to ensure consistent and reliable model training.

TECHNICAL SKILLS

Languages: C++, SQL
Web Technologies: React.js, Next.js, Node.js, Express.js
Databases: MongoDB
Machine Learning: Scikit-learn, NumPy, Pandas, Matplotlib
Tools & Platforms: GitHub, Google Colab, Postman, VS Code
Areas of Interest: Web Development, Data Structures and Algorithms, Competitive Programming

ACHIEVEMENTS

- Knight (Top 5%) at **LeetCode** (700+ problems solved)
- 3-Star Coder at **CodeChef**
- Ranked 3rd out of 150+ participants in Dev or Die Web Development Competition.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate, Oracle, Sep 2025.
- Google Cloud – Gen AI Study Jams, GDG on Campus MNNIT Allahabad, Feb 2025.

POSITIONS OF RESPONSIBILITY

- Member, Marketing Team — Institute Innovation Council (IIC)