Ridam Mittal

788-953-4549 | ridam112004@gmail.com | LinkedIn | LeetCode | GitHub

Education

Bennett University (Times of India Group) August 2022 - Present
B.Tech in Computer Science - CGPA - 9.7/10 *Greater Noida, Uttar Pradesh, India*

MG Public School Completed in 2022
96.2% in Class XII (2021 – 2022), 94.6% in Class X (2019 - 2020) *Muzaffarnagar, UP, India*

Skills

- **Core Concepts**: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Software Engineering
- **Technical Skills**:
  - **Languages**: C++, Python, JavaScript, C, Java, MySQL
  - **Frameworks**: React.js, Tailwind CSS, Node.js, Express.js, Mongoose, NLP
  - **Tools**: VS Code, Git, GitHub, Visual Paradigm, Vercel, Figma

Projects

MATRIX *April 2024*

- Built an e-commerce platform for renting electronics with 99.9% uptime and secure payment integration.
- Implemented JWT-based user authentication and bcrypt for password hashing, securing over 500 user accounts.
- Integrated dynamic rental pricing, handling 10+ rental durations in real-time.
- Developed a React.js SPA with Redux for state management, enhancing page load speed by 30%.
- Created RESTful APIs with Express.js and MongoDB to manage rental listings and user transactions.
- Designed an admin panel with role-based access control (RBAC) for efficient content management.
- ***Tech Stack***: **HTML, Tailwind CSS, React.js, Node.js, Express.js, MongoDB**

CARBONMITRA *August 2024*

- Developed a web app to calculate and analyze carbon emissions for coal mines, with a 20% improvement in accuracy over traditional methods.
- Built a calculation engine to process fuel, energy, and equipment data for emission insights.
- Integrated external APIs and machine learning for emission reduction strategies, leading to a 15% decrease in projected emissions.
- Developed a responsive frontend with dynamic visualizations using React.js, improving user engagement by 25%.
- Built the backend with Node.js and Express.js, handling API interactions and data processing seamlessly.
- ***Tech Stack***: **React.js, Node.js, Express.js, MongoDB, External APIs, Machine Learning**

CREDIT CARD FRAUD DETECTION *February 2024*

- Built a machine learning model for detecting fraudulent credit card transactions with 96% accuracy.
- Addressed class imbalance using SMOTE, improving detection rates for minority fraud cases by 40%.
- Applied Logistic Regression and Random Forest, achieving a 0.95 ROC-AUC score.
- Focused on Precision and Recall to ensure the model flagged potential fraud with minimal false positives.
- ***Tech Stack***: **Python, Scikit-learn, Pandas, NumPy, SMOTE**

Achievements

Dean's List Award: Awarded for academic excellence with a GPA of 9.7/10.

Smart India Hackathon (SIH) 2024 – Achieved 88th rank among 400+ teams (university level).

LeetCode Competitive Programming: Solved 250+problems on LeetCode, achieved a contest ranking of 3500.