CHANDRA MOHAN SINGH

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Education

JSS Academy of Technical Education, Noida   **Dec 2021 – May 2025**

Bachelor of Technology in Information Technology CGPA: 8.1   *Noida, Uttar Pradesh*

Relevant Coursework

- Data Structures
- Web Development
- Cyber Security
- Database Management
- Front-end Development

Projects

Realtime Chat App | *React, Node.js, Socket.io and MongoDB*   **February-April 2024**

- Developed a real-time chat application enabling instant messaging between users, leveraging modern web technologies for a seamless user experience.(MongoDB, Socket.io, React, Node.js).
- Designed a responsive and user-friendly interface with React.js, enhancing user engagement and accessibility across devices.
- Built a robust backend with Node.js and Express.js, managing client connections and message broadcasting efficiently.
- Integrated MongoDB using Mongoose to store chat messages, ensuring message persistence and retrieval.

Credit Card Fraud Detection | *Python, Machine Learning, RFC, Google Colab*   **December 2023**

- Developed and deployed a machine learning model for detecting fraudulent credit card transactions with maximum possible accuracy improvement.
- Conducted data preprocessing and feature extraction to optimize model performance.
- Implemented advanced data preprocessing and feature engineering techniques, leading to significant performance gains.

Expenses Tracker | *HTML/CSS, JavaScript, VS Code*   **October 2022**

- Designed and developed a user-friendly expense tracker using HTML, CSS (Bootstrap), JavaScript (React.js) to track all the expenses of a user.
- Added features of login as user and track all the expenses and save them for future references.
- Improved business outcomes through personalized customer experiences.

Technical Skills

Languages: Python, C++, HTML/CSS, JavaScript, SQL
Visualization Tools: VS Code, Google Colab
Technologies/Frameworks: Bootstrap, Tailwind CSS, React, Redux, MongoDB

Accomplishments

- Five ⭐ Coder in C++ at HackerRank.
- Engaged in a panel discussion on the importance of proactive cybersecurity measures in safeguarding digital assets, contributing valuable insights and perspectives.
- Served as a spokesperson in the Youth Parliament conducted at my college and participated in a debate on the topic of the Uniform Civil Code.

Certifications

- Web Development by Udemy
- Python Course by Infosys Springboard
- Front-end Development by Coursera