MD SHAHAB UDDIN

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Education

National Institute of Technology, Rourkela   **November 2022 – Present**
Bachelor of Technology in Food Process Engineering (CGPA - 8.04)   *Rourkela, Odisha*

Vikash Residential School   **July 2022**
AISCCE – CBSE, Science (PCM) (Percentage - 93.6%)   *Bargarh, Odisha*

ST.Gregorios English School, Rourkela   **July 2020**
AISSE – ICSE (Percentage - 90.6%)   *Rourkela, Odisha*

Relevant Coursework

- Data Structures and Algorithms
- Object-Oriented Programming
- Database Management Systems
- Operating Systems
- Data Science and ML
- MERN Stack Development

Work Experience

Data Science and ML Intern at Encryptix   **June 2024 - July 2024**
Certificate   *Remote*

- Built machine learning models and integrated them with the frontend to provide real-time predictions.
- Performed data cleaning, analysis, and exploratory data analysis (EDA) to prepare datasets for model training.
- Used hyperparameter tuning techniques to optimize models for high accuracy and performance.
- Integrated machine learning models into a web application using **Flask** to create an interactive user interface.

Projects

MEDISENSE : MERN+ML+LLM | Github | Project Link   **December 2024**
ReactJS, NodeJS, MongoDB, ExpressJS, Scikit-learn, TensorFlow

- Developed a full-stack healthcare platform using the **MERN stack**, integrating **ML**, **DL**, and **LLM** models.
- Enables patients to **book doctors** based on distance or expertise, enhancing accessibility and choice.
- Implemented one-to-one video calls and chat features using **WebSocket** for real-time communication.
- Offers **medicine delivery** to the doorstep, improving convenience for users in need of medication.
- Uses **ML models** to predict disease risks on past medical reports and recommend diet plans and suitable doctors.
- Allows patients to choose doctors based on speciality and experience, and medicines based on **brands** and **diseases**.

YUMZY : Github | Project Link   **July 2024**
React.js, Node.js, Express, MongoDB

- Developed a full-stack **food delivery website** using the MERN stack, providing users with an efficient experience.
- Implemented **JWT authentication** to ensure secure user login/signup and reliable order tracking functionalities.
- Created an **admin section** to enable easy management of food items, user data, and real-time order oversight.
- Integrated **Stripe payment gateway** for secure and smooth online transactions, enhancing customer satisfaction.
- Built the back-end using Express.js and MongoDB, designing a responsive and interactive front-end with React.js.

Achievements/Certifications

- **Problem Solving Achievements**   **Ongoing**
  Solved 750+ problems on LeetCode, GeeksforGeeks, and CodeChef, enhancing algorithmic and problem-solving skills.
- **Flipkart Grid 6.o**   **September 2024**
  Qualified till the second round of Flipkart Grid, showcasing skills in problem-solving and innovation.

Technical Skills

- **Languages**: C++, Python, JavaScript
- **Technologies/Frameworks**: React, MongoDB, Express, scikit-learn, pandas, NumPy, Matplotlib, Seaborn
- **Developer Tools**: VS Code, Anaconda, Jupyter, PyCharm, MySQL Workbench

Extracurricular Activities

Event Management Team Coordinator, Innovision   **September 2023**
                                                                                          NIT RKL

- ∗ Led the planning and execution of flagship events, ensuring seamless operations.
- ∗ Coordinated with multiple teams to manage logistics, resources, and schedules.
- ∗ Supervised large crowds, ensuring safety, engagement, and satisfaction of participants.