MD SHAHAB UDDIN

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EDUCATION

National Institute of Technology, Rourkela **Nov 2022 – Present**
Bachelor of Technology in Food Process Engineering (CGPA - 8.1) *Rourkela, Odisha*

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

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

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Database Management Systems
- Operating Systems
- Machine Learning
- Computer Networks

WORK EXPERIENCE

Vizora Enterprises | Certificate **May 2025 – Jul 2025**
Software Engineering Intern *Noida, Delhi*
- Engineered a scalable **microservices system** with 6 services (**admin, order, payment, product, user, API gateway**) using **Node.js & Express**, deployed on **Vercel**, ensuring **95% uptime** at 1000+ RPM.
- Crafted RESTful APIs with **JWT auth** and **RBAC**, improving system efficiency and security.
- Optimized media uploads via **Cloudinary** and **utilized RabbitMQ** for asynchronous communication.

PROJECTS

MEDISENSE : MERN+ML | Github | Project Link **Dec 2024**
ReactJS, NodeJS, MongoDB, ExpressJS, Socket.io, Scikit-learn
- **Overview:** Delivered a **real-world** digital healthcare solution connecting patients, doctors, hospitals and pharmacies.
- **Authentication:** Secured sessions using email OTP **(Nodemailer)** and scalable token-based login for **100+ users**.
- **AI Doctor:** Designed a voice-enabled AI assistant using **Gemini API** and **Speech Recognition**.
- **Consultation:** Enabled real-time video consults with specialty-based booking and live **Socket.io** chat.
- **Pharmacy:** Built a medicine ordering feature integrated with chatbot-driven health recommendations.
- **Hospital Management:** Facilitated doctor scheduling, bed tracking and digital patient health records.
- **Payments:** Configured **Stripe** for encrypted, reliable financial transactions across **30+ test payments**.

YUMZY : Github | Project Link **Jul 2024**
React.js, Node.js, Express, MongoDB
- Containerized and deployed a **full-stack food delivery platform** using **MERN**, tested with **50+ dummy users**.
- Implemented **JWT authentication** ensuring secure login/signup with **100% token verification** in test cases.
- Created an **admin section** for live tracking and **CRUD management** of **50+ food items** and **10+ users**.
- Integrated **Stripe** for transaction processing with real-time success/failure tracking (**98% success rate**).
- Programmed backend in **Express.js & MongoDB**; interactive frontend built in **React.js** for seamless **UX**.

ACHIEVEMENTS

CodeChef — Max Rating: 1502 — Profile Link **Nov 2024 – Present**
- Achieved Global Rank **261** among 10,000+ participants in Starters 198

Flipkart Grid 6.0 — Flipkart **Sept 2024**
- Qualified for **Round 3** in a national-level engineering competition

TECHNICAL SKILLS

- **Languages**: C++, Python, JavaScript
- **Technologies/Frameworks**: React.js, MongoDB, Express.js, Node.js, scikit-learn, pandas, NumPy
- **Developer Tools**: VS Code, Jupyter, Docker, MySQL Workbench, PyCharm

EXTRACURRICULAR ACTIVITIES

Web Team Lead – E-Cell NITR **2023 – Present**
Led E-Cell's web presence, conducted sessions, and mentored junior members in web development.

Coordinator – Innovision'23 NITR **Nov 2023**
Managed large-scale event coordination and logistics operations for NITR's Tech Fest.