TRINAYAN MAHATO

Email: trinayan.1303@gmail.com; ☏ +919339753170; Rashtriya Raksha University, Gandhinagar.

Full Stack Developer | 3rd Year B.Tech (CSE-Cyber Security) from Rashtriya Raksha University | MERN, Node.js, React, MongoDB .

Skills

Programming	C, C++, Python,Javascript

Development: HTML,Vanilla CSS,Tailwind CSS,Bootstrap,Material UI,React(react-dom, redux-toolkit, react-router-dom, API-handling, react-hook-form,Node.js, Express.js, Handling RESTAPIs, Websockets, WebRTC, Redis,GraphQL, gRPC, LLM integration(Langchain).

DevOps & Cloud,Database Docker, Kubernetes(basics), GitHub Actions, Jenkins, CI/CD, Nginx,Vercel,Render, MongoDb, PostgreSQL.

Tools/Technologies   Git, GitHub, NPM, Vite, Postman,Network Dev Tool, Linux(Ubuntu,Kali).

Core Concepts   Data Structure and algorithms (DSA), Object oriented programming language (oops), Database Management Systems, Operating Systems,Computer Networks,Data Analysis and Visualization, Digital Image Processing.

Projects

Credit Accreditation Portal https://github.com/thethakurshivam/grs

- Built a **Credit Accreditation Portal** for Indian govt. organizations (NSG, BPR&D, etc.) to manage course credits and certifications.

- Implemented a **workflow system** where employees apply for credits, accumulate them, and request Certificates, Diplomas, or PG Diplomas issued by RRU.

- Developed **role-based portals** (Employee, Admin, RRU) with secure authentication, automated certificate generation, claim verification, and email notifications.

- Tech Stack: **Node.js, Express, TypeScript, React, TailwindCSS, MongoDB**.

 Real Time Bus Tracking | React, TypeScript, Node.js, Express, MongoDB, WebSockets, Google Maps APIs.   https://github.com/amansgnr3001/punjab-transit-nexus

- Built a full-stack transit management system with real-time vehicle tracking using WebSockets and interactive maps via Google Maps APIs.

- Developed a React + TypeScript frontend (TailwindCSS, Vite) and a Node.js &Express backend with MongoDB and JWT authentication for secure data handling.

- Integrated Google Directions & Geocoding APIs for route optimization and deployed a scalable, production-ready architecture with logging and configuration management.

Education
CGPA 7.72/10(till semester 4)
12th: 89.8%(The Assembly of God church Schools).
10th: 90.57%(Ramkrishna Mission Vidyapith ,Purulia).

Extracurricular Activities: **sports** Represent schools in state level football.
Social service Participated in 3 days social service camp in Lausenbera,WB