MD INAMUL HAQUE

Full-Stack Engineer | AI Agents & Backend Systems

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GitHub | **LinkedIn** | **LeetCode** | **Codolio**

Summary

Full-stack developer focused on building AI-powered tools, backend systems, and interactive developer experiences. Experienced with TypeScript, JavaScript, React, Next.js, Node.js, databases, and LLM-powered agent workflows. Interested in owning features end to end, building reliable software, and turning complex technical capabilities into useful product experiences.

Education

Haldia Institute of Technology — Haldia, West Bengal
B.Tech. in Information Technology — 2023 – 2027
CGPA: 7.41/10

Technical Skills

Languages: TypeScript, JavaScript, C++, Python, SQL, Java
Frontend: React.js, Next.js, HTML, CSS
Backend: Node.js, Express.js, FastAPI, REST APIs
Databases: PostgreSQL, MongoDB, Prisma, Firebase
AI Engineering: LLM APIs, OpenRouter, AI SDK, Tool Calling
Developer Tools: Git, GitHub, Docker Compose, Postman
Core CS: Data Structures and Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Projects

xInamulClaw – AI Agent CLI — **GitHub**
TypeScript, Node.js, OpenRouter, AI SDK

- Built an interactive AI agent CLI with chat and agent modes for handling user requests through an LLM-powered interface.
- Implemented a modular tool-execution system supporting file creation, file modification, and tracked tool actions.
- Developed planning and execution workflows for multi-step agent tasks and integrated LLM streaming through OpenRouter.
- Added execution tests to validate tool behavior and improve confidence in agent operations.

Postman Clone – API Testing Platform — **GitHub**
Next.js, TypeScript, Prisma, PostgreSQL, Docker

- Built a web-based API testing application for composing HTTP requests and inspecting server responses.
- Integrated Prisma ORM with PostgreSQL for persistent data management and database schema migrations.
- Configured PostgreSQL using Docker Compose and worked through database connectivity, environment configuration, and application debugging.

SentinelRisk – AI Fraud Detection Platform — **GitHub**
Python, FastAPI, React, Machine Learning

- Developed a machine-learning prototype to assess financial transaction risk and identify potentially fraudulent transactions.
- Exposed model predictions through FastAPI endpoints for integration with a client-facing application.
- Worked on data preprocessing and feature engineering to prepare transaction records for model inference.

Coding Profiles

LeetCode: xInamul — **Codolio: Inamul**

Problem Solving

- Practiced data structures and algorithms covering arrays, strings, linked lists, trees, graphs, recursion, dynamic programming, searching, and sorting.

Relevant Coursework

Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Software Engineering.