

Raiyan Hasan

AI & Full-Stack Engineer | Agentic Workflow Developer

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PROFESSIONAL SUMMARY

Third-year Information Technology student at MIT Muzaffarpur (Class of 2027) specializing in **Agentic AI Systems**, **Workflow Orchestration**, and **Full-Stack Engineering**. Proven track record in designing multi-agent state machines, context-aware prompt pipelines, and robust backend micro-architectures using **LangGraph**, **Model Context Protocol (MCP)**, and **TypeScript/Node.js**.

CORE TECHNICAL SKILLS

- **AI & Agentic Systems:** LangGraph, LangChain, Model Context Protocol (MCP), Multi-Agent Orchestration, OpenAI API, Prompt Engineering, RAG Architectures
- **Backend & API Design:** Node.js, Express, RESTful APIs, Webhook Listener Architecture, Authentication (Clerk, JWT), Stateful Database Modeling
- **Frontend & Mobile:** React, Next.js, React Native, Expo, TypeScript, JavaScript, Tailwind CSS
- **Databases & DevOps:** MongoDB, Prisma ORM, Git, GitHub, Vercel, Postman

FEATURED PROJECTS

- **Coursify – AI Workflow & Curriculum Orchestrator** coursify.hasanraiyan.me
 - Built an automated curriculum generation platform using **LangGraph**, **Model Context Protocol (MCP)**, and Node.js.
 - Designed multi-agent state management systems to convert topic inputs into structured interactive course timelines.
 - Implemented dynamic prompt chaining and agent execution graphs to reduce synthesis latency and improve outline accuracy.
- **Axion – Agentic Mobile AI Assistant** axion.hasanraiyan.me · [Play Store](#)
 - Deployed an AI assistant application on the Google Play Store using **React Native** and **Expo**.
 - Implemented token management engines, multi-persona agent context switches, and local state caching for mobile interactions.
- **PYQDeck – AI-Enabled Learning Platform** pyqdeck.in
 - Launched an independent exam-prep web and Android platform serving **100+ active users**.
 - Integrated an **OpenAI API-powered student helpdesk** alongside automated subscription lifecycle tracking.
 - Configured secure Razorpay checkout interfaces and automated backend payment status listeners.

WORK EXPERIENCE

- **Software Developer (Contract)** [CareerSimplify](https://careersimplify.in) careersimplify.in
 - Engineered a full-stack MERN learning platform, managing everything from authentication to digital checkouts.
 - Developed scalable **Node.js/Express webhook handlers** to process transaction states and automate invoice generation.
 - Modeled secure MongoDB schemas to control user role permissions and record transactional system events.
 - Collaborated directly with project stakeholders to deliver modular, maintainable production features.

ACHIEVEMENTS & LEADERSHIP

- **3rd Position & Rs 40,000 Project Grant**, CLIMB Innovation Competition (MITMAAI) Feb 2026
 - Awarded grant for **DOSTIFY**; engineered shared task scheduling modules and dynamic group expense-splitting algorithms.
- **Finalist**, Smart India Hackathon (SIH 2025) – Ministry of Railways 2025
 - Developed an integrated web/Android tracking platform in a 6-member team during a 5-day national hackathon sprint.
- **Coordinator**, MIT IT Working Club Nov 2024 – Present

EDUCATION & CERTIFICATIONS

- **Muzaffarpur Institute of Technology (MIT)**, B.Tech in Information Technology 2023 – 2027
 - **CGPA: 7.07** · *Relevant Coursework:* Data Structures & Algorithms, Object-Oriented Programming, DBMS
- **PCAP – Programming Essentials in Python**, Cisco Networking Academy [View Certificate](#)