Jayneel Mukeshkumar Mahival

Vadodara, Gujarat, India

+91-7984548164 | jayneel.mmahival@gmail.com | linkedin.com/in/jayneel-mahival | github.com/Hyper099

EDUCATION

Pandit Deendayal Energy University (PDEU) — Gandhinagar, India
B.Tech in Computer Engineering (CGPA: 9.57/10) — *July 2023 – May 2027*

WORK EXPERIENCE

L&T Technology Services (LTTS) — Vadodara, India
SDE Intern – AI and Web Development (AIPDS Project) — *May 2025 – July 2025*

- Co-developed and trained a Machine Learning model to automate client proposal generation using a custom Retrieval-Augmented Generation (RAG) framework with optimized chunking logic, improving proposal drafting efficiency by **30%**.
- Engineered a ChatGPT-like interface supporting concurrent query handling for up to **10 users**, with queuing and persistent **conversation history** storage using a local database; added support for prompt editing.
- Established an editable chatbot workflow supporting the full lifecycle: **RFQ → DOU → Proposal.**
- Implemented a fully offline and secure architecture (no external APIs or cloud storage) and integrated security audits using **Snyk** and **Garak** to ensure compliance and data protection.

PROJECTS

EduConnect: Course Selling Platform | *React, Node.js, MySQL, JWT, Razorpay API* | GitHub | Live
- Developed a full-stack course marketplace with dynamic course modals and secure payment flow.
- Integrated JWT-based auth and Razorpay checkout flow with simulated **100+ transactions** for testing.
- Designed responsive frontend using Vite and Tailwind CSS; backend optimized to handle **500+ concurrent requests** using MySQL indexing and efficient API structuring.

Mentorship Platform | *React, Node.js, Supabase, Calendly API, WebRTC* | GitHub
- Built a full-featured mentorship system simulating **50+ mentor-candidate interactions**.
- Integrated WebRTC-based video calling and **automated calendar scheduling** via Calendly API, reducing manual effort by over **80%**.

Second Brain: Digital Organizer | *React, TypeScript, MongoDB, JWT, Tailwind CSS* | GitHub | Live
- Developed a personal knowledge manager handling **1000+ entries** across notes, links, and reminders.
- Integrated *YouTube* and *Twitter* APIs for embedded previews with support for **5+ content types**.
- Implemented secure login using JWT and tested for **95%+ test coverage** across protected routes and actions.

TECHNICAL SKILLS

Languages: C/C++, Java, Python

Web: HTML, CSS / Tailwind CSS, JavaScript, TypeScript, React, Node.js, Next.js, WebSockets, Django, Supabase, Firebase

AI/ML: Fine-tuning LLMs, RAG, Prompt Engineering, CrewAI (Agentic AI Framework)

Concepts: Data Structures and Algorithms, Operating Systems, DBMS, System Design

Databases: MySQL, MongoDB, PostgreSQL, Prisma ORM

ACHIEVEMENTS / PARTICIPATIONS

- Achieved Highest Rating of **1235 (Pupil)** on CodeForces.
- Achieved Highest Rating of **1655 (3-Star)** on CodeChef top **15%** globally.
- Achieved Highest Rating of **1561** on LeetCode.
- Shortlisted in top **150+ teams** for Smart India Hackathon (Internal round).
- Built several clones including VS Code website using HTML/CSS.

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Fluent), Gujarati (Intermediate)
Interests: Table Tennis, Coding, Blogging about Tech Trends