

REHAN

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Education

Deenbandhu Chhotu Ram University of Science and Technology

2020–2024

Bachelor of Technology in Electronics and Communication Engineering

Sonapat, Haryana

Experience

Appen AI India Pvt. Ltd.

July 2024 – June 2025

LLM Specialist

Remote

- Analyzed and evaluated AI-generated responses in mathematics and coding domains, identifying **hallucinations** and reasoning errors, contributing to a **30% improvement** in model accuracy through structured feedback.
- Designed high-quality **adversarial test cases** and prompts to stress-test model capabilities, significantly improving **instruction-following**, logical reasoning, and output consistency.
- Performed **Prompt Engineering** and data annotation aligned with strict RLHF guidelines, enhancing data coverage for complex scenarios and improving model robustness across diverse user inputs.

Manal Softech Pvt. Ltd.

Jan 2024 – Apr 2024

Software Developer Intern

Ujjain, MP

- Developed a **Python-based backend** system to automate **NSE stock data scraping** and storage, optimizing data retrieval efficiency for financial analytics.
- Implemented end-to-end **data analysis pipelines** to process historical stock performance, generating actionable insights from initial listing to real-time data.
- Optimized backend **RESTful APIs** to deliver structured financial datasets, ensuring seamless integration and high data reliability for user-facing applications.
- Collaborated with cross-functional teams to integrate backend services with the frontend, ensuring **smooth data flow** and robust API performance across the application.

Projects

Face Recognition Attendance Software | *Python, OpenCV, SQL* [GitHub Link]

- Developed an advanced **face recognition-based attendance** management software using Python, **OpenCV**, and **MySQL**, enabling automated identification and tracking with real-time detection and database persistence.
- Implemented full-stack functionality including **GUI interfaces (Tkinter)**, secure user login, face dataset training, and attendance logging, enhancing usability for academic and enterprise environments.
- Architected and optimized detection workflows using **Haar cascades** and custom training modules, resulting in a robust solution with seamless integration of **computer vision** and backend data storage.

Prep.AI — Interview Helper | *Next.js, FastAPI, Gemini AI* [Github Link] | [Live Link]

- Built a mock interview platform using **FastAPI** and **Gemini 2.5 Flash**, delivering specialized technical screenings through context-aware AI persona protocols and JD-based question generation.
- Engineered a robust **Asynchronous Backend** with custom error-handling middleware for API rate-limiting and a specialized **jsPDF engine** with auto-pagination for professional evaluation reports.
- Developed a **Glassmorphism UI** featuring real-time logical progress tracking and Framer Motion transitions, resulting in a highly immersive and product-ready candidate experience.

Technical Skills

Languages: Python, JavaScript, SQL

Frameworks: FastAPI, OpenCV

AI & Automation: Prompt Engineering, RLHF Evaluation, LLM Fine-tuning, Web Scraping

Libraries: NumPy, Pandas, Matplotlib, Selenium, Tkinter

Databases: MySQL, MongoDB

Developer Tools: GitHub, VS Code, Postman, Cursor, Claudel

Leadership / Extracurricular

- Achieved 2-Star Coder rating on CodeChef with a peak rating of 1540, showcasing consistent participation and performance in programming contests
- Led the team as Captain to the Semifinals of the DPL 2022, demonstrating strategic decision-making, leadership under pressure, and team coordination.