

Dhruv Harish Agrahari

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EDUCATION

University of Mumbai - Thadomal Shahani Engineering College
Bachelor of Engineering in Artificial Intelligence & Data Science (CGPA: 8.86)

Mumbai, India
2022 – 2026

EXPERIENCE

General Mills India

Software Engineering Intern

Mumbai, India
June 2025 – Aug. 2025

- Built an automated backend monitoring service to enforce data integrity for the International segment covering over 35,000 products.
- Designed RESTful APIs using FastAPI to validate and write back data to downstream systems with sub 200ms response time.
- Improved operational efficiency by 95% by eliminating 36%+ inactive product–location records through automated validation logic.

DHWL Technologies PVT LTD

Software Engineering Intern

Mumbai, India
June 2024 – Aug. 2024

- Created backend pipelines for a Retrieval-Augmented Generation (RAG) system, handling document ingestion, embedding generation, and semantic search workflows capable of ingesting 200MB documents.
- Integrated LLM APIs (Gemini 2.0 Flash, Llama-2 via Ollama) with vector databases (FAISS, Pinecone) to serve retrieval and response pipelines.
- Undertook LLM benchmarking & evaluation using RAGAS and fine-tuned LLMs, increasing the accuracy scores by 22%.

PROJECTS

GreenStack | React, PostgreSQL, Express, Node.js

- Developed backend services to manage customers, products, orders & scheduling, implementing RESTful APIs with role-based access to ensure data security.
- Modeled relational schemas to support order routing between 3 entities: customers and suppliers.
- Implemented a separate module for invoice generation, invoice sharing, and deriving aggregated business insights.

ArticleQuery | Python, LangChain, Streamlit, Google Gemini 2.5 Flash

- Engineered pipelines to ingest web content via URL scraping, process text, and store embeddings for semantic search.
- Used retrieval workflows using FAISS and HuggingFace embeddings to enable accurate query resolution over scraped content.
- Merged LLM APIs to generate responses from retrieved data, focusing on optimized data flow.

AI Resume Optimizer | Python, LangChain, Streamlit, Google Gemini

- Constructed a tool to optimize resume scores targeting an ATS score of >80% for the given job description by designing a processing pipeline to extract text, generate embeddings, and produce structured improvement suggestions.
- Implemented multimodal LLMs for resume parsing and ATS optimization, improving keyword extraction and match accuracy by 30%+ across tested job descriptions.

TECHNICAL SKILLS

Languages: JavaScript (Node.js), Python, C++, Java

Frameworks: Node.js, Express.js, FastAPI, JWT, OAuth

Databases: MySQL, MongoDB, PostgreSQL

Developer Tools: Git, GitHub, Postman, VS Code, IntelliJ IDEA

ACHIEVEMENTS

SIH 2025 Finalist: Ranked in the Top 5 teams nationwide in Smart India Hackathon.

Mumbai Hacks 2024 RunnerUp: Secured 2nd place in a competitive hackathon.

Competitive Programming: Solved 500+ Data Structures and Algorithms (DSA) problems.