

Devansh Sharma

Jaipur, Rajasthan

LinkedIn | Portfolio | GitHub | Devansh.apply@gmail.com | +91 8529083160

EDUCATION

Dr. B. R. Ambedkar National Institute of Technology Jalandhar

Bachelor of Technology (B.Tech)

Jalandhar, Punjab

Aug. 2022 – Sept. 2026

EXPERIENCE

Dotsquares Technologies

May 2025 – Present

AI/ML Intern — LLM-Powered Chatbot Development

Jaipur, Rajasthan

- Engineered a Retrieval-Augmented Generation (RAG) chatbot using **LangChain**, **LangGraph**, and **Gemini API** for document-based, web-based, and fallback LLM Q&A.
- Designed a multi-agent architecture with LangGraph, boosting query resolution efficiency by **30%**.
- Integrated **Google's Serp API** to handle real-time search queries and enrich chatbot responses.
- Utilized **PostgreSQL** for embedding storage and contextual summaries, enhancing retrieval accuracy by **25%**.
- Built RESTful APIs with **FastAPI** for backend communication and deployed a scalable React interface for real-time interaction.

To-Let Globe

Aug. 2024 – Oct. 2024

Full Stack Developer Intern

Remote

- Developed a cross-platform real-estate listing system used by **300+** active users weekly during beta testing.
- Designed and integrated RESTful APIs to support authentication, listing management, and real-time search functionality, improving system response time by **45%**.
- Enhanced frontend interactivity and responsiveness, resulting in a **25%** boost in user engagement.
- Optimized backend logic and API response times by refactoring middleware and reducing redundant API calls by **50%**.

PROJECTS

AI Drug Discovery Assistant (AI/ML Project) — React.js, Flask, Gemini API, K-NN, K-Means

GitHub

- * Developed an AI-powered research tool that assists scientists in analyzing more than 50 chemical compounds daily, accelerating early-phase drug discovery.
- * Integrated Gemini 2.0 API to predict chemical interactions with accuracy 95%, validated using benchmark data sets.
- * Applied K-Means and K-NN clustering algorithms to identify patient-compound relationships across 2000+ biomedical entries.

GoWallet — RESTful API — Golang, GORM, PostgreSQL, Docker

GitHub

- * Built a secure wallet management API with full CRUD operations for 3 core modules: users, balances, and transactions.
- * Integrated PostgreSQL and GORM for reliable data persistence and containerized the backend using Docker, achieving 99.9% uptime during stress testing.
- * Enhanced validation and reduced API latency by 30% through optimized middleware and efficient input handling.

TECHNICAL SKILLS

Languages: Go, Python, JavaScript, C++

Frameworks: FastAPI, React.js, Node.js, Express.js, Tailwind CSS, MongoDB

LLMs: LangChain, LangGraph, LangSmith, Gemini API

Tools: Git, Docker, PostgreSQL, MongoDB, MySQL, Postman, Selenium, Playwright

Coursework: Data Structures, Algorithms, Operating Systems, DBMS, Computer Networks