

Devnsh Sharma

Jaipur, Rajasthan

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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

Remote

- Built a domain-specific chatbot using LLMs, improving query response accuracy by **85%** and reducing latency by **40%**.
- Scraped data from **10+** websites; vectorized **1000+** entries and implemented FAISS-based similarity search.
- Designed a modular data pipeline with 30% lower memory usage and scalable retrieval architecture.
- Developed a React frontend enabling real-time LLM chat; reduced bounce rate by **30%**.

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, KNN, KMeans

GitHub

- * Enhanced an AI-powered tool that helps researchers analyze over 50 chemical compounds daily, aiding in drug discovery for clinical institutions.
- * Incorporated Gemini 2.0 API to predict chemical interactions with 95% accuracy, validated using benchmark testing protocols.
- * Applied clustering algorithms like KMeans and KNN to identify patient similarities and compound relationships across **2000+** data points.

GoWallet API (Backend Project) — Golang, GORM, PostgreSQL, Docker

GitHub

- * Engineered a secure and scalable wallet management API with full CRUD support for **3 core modules**: accounts, transactions, and balances.
- * Integrated PostgreSQL and GORM for robust data persistence; containerized with Docker for production readiness with **99.9%** uptime during stress testing.
- * Improved transaction validation and response consistency by **30%** through optimized input handling and middleware logic.

MediScrape-AI — -python,Selenium, Firecrawl, Pydantic, GenAI ,pandas

GitHub

- * Scraped 150+ orthopedic treatment articles from OrthoInfo using Selenium with dynamic pagination support (no URL change).
- * Used Firecrawl's GenAI with a Pydantic schema to achieve over 92% structured data consistency, enabling clean medical knowledge extraction and scalable data storage.

TECHNICAL SKILLS

Languages: Go, Python, JavaScript, C/C++, SQL **Frameworks:** FastAPI, React.js, Node.js, Express.js, Tailwind CSS, MongoDB **Databases:** PostgreSQL, MySQL, MongoDB **Relevant Coursework:** Data Structures, Algorithms, Operating Systems, DBMS, Computer Networks **LLMs:**Langchain , LangGraph , LangSmith , MCP servers , tooling(Langgraph) **Tools:** Git, Docker, Postman, Selenium, Playwright