

Karan Kulshrestha

AI Engineer

CONTACT

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PROFESSIONAL EXPERIENCE

Go India Advisor | 01/2024-Current

Full Stack AI Engineer

- Designed and developed **Stock GPT** – an agentic AI assistant built with TypeScript and Next.js—integrating **multi-tool calling, deep research** across broker reports, earnings transcripts, quarterly/annual filings, and 27+ SQL tables across databases; implemented credit systems and monitoring with Langfuse, driving a **50% increase** in paid users.
- Built a cost-efficient **GPU-powered indexer** to extract graphs, images, headings, sources, and company names from raw broker reports with **95% accuracy**; dynamically scaled GPU instances for **task-specific processing**, enabling analysts to search and integrate visual data across Indian stock companies while significantly reducing infrastructure costs.
- Deployment of **TypeSense Vector database** with proper data backups and recovery to manage pinecone cost when data grows.
- Lot's of **python scripting** for building Schedulers, **Data migrations** and Backend API.

Bobble AI | 11/2024-02/2025

AI Intern

- **Comfy UI Pipelines** for Content Generation.
- Python scripting to test and **deploy different opensource models** like Hunyuan, ollama Models, SDXL, different Stability AI Models.
- **Building scrapers** for Scraping Data like Images for **training Yolo Models**.
- Reverse engineering Open source code for background removal Techniques.

SKILLS

Python, Machine Learning, SQL, Typescript, Elastic Search, Data Structure and Algorithms, Deep Learning, Generative AI, Agentic Systems, Next.js, AWS Cloud, Open Source, C++, Fast API, LangChain, LangGraph, Graph Database, NoSQL Database, System Design.

ACHIEVEMENTS

- **Win \$3,400 In a hackathon** organized by DTDL (German Telekom Company)
- Get Different **Winning Ranks** in total **7 Hackathons**.
- Open Source Contribution in a Y-Combinator Startup.
- I did a failed startup in my college "Grabup"

EDUCATION

Ajay Kumar Garg Engineering College | 2021-2025

Bachelors in Technology | Computer Science and Information Technology