

Davinder Singh

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Summary — A full-stack engineer focusing on Backend Development, DevOps, and GenAI. Passionate about leveraging the latest technologies. Electronics engineer by degree, software engineer by passion.

Education

Dr. B R Ambedkar National Institute of Technology Jalandhar

B.Tech in Electronics and Communication

Aug 2023 – Present

Experience

Intern - AI and Backend Developer at Level SuperMind

Jan 2025 – Feb 2025

- Built and deployed an AI chatbot for spiritual guidance, puja bookings, and personalized horoscopes; served 10k+ user queries.
- Developed scalable RESTful backends using Python (Flask), MongoDB, and Gunicorn; improved API latency by 40%.
- Integrated Vedic astrology datasets and fine-tuned NLP models to enhance chatbot response accuracy.

Intern - Software Engineer at INNIN

Mar 2025 – Present

- Engineered a GenAI pipeline for performance analysis of 96k+ US hotels; delivered insights via a subscription-based SaaS product with RBAC.
- Developed a hotel data dashboard with AI-powered search, smart filters, and optimized rendering—3x faster viewport performance.
- Fulfilled end-to-end ownership across full stack, DevOps, and GenAI workflows; implemented CI/CD, cloud infra, and model deployment.

Freelance Projects

BarqScoot

- Architected an IoT e-scooter platform handling 200+ scooters and 1,000+ daily rides; achieved 99.95% uptime.
- Enabled geofencing and dynamic pricing features, increasing client revenue by 25% using Golang, AWS, PostgreSQL, and Kubernetes.

Drishti

- Delivered a secure personality testing platform to 15+ schools, managing 2,000+ concurrent users with auto-scaled infra.
- Automated 1,000+ signed report generations weekly—cutting manual work by 90% via MongoDB, Next.js, and serverless functions.

Projects

DaveExchange

- Simulated a scalable stock exchange platform with TimescaleDB for high-frequency data and Redis queues for trade matching.
- Tech Stack — TypeScript, NodeJS, ReactJS, WebSockets, Redis, TimescaleDB.

DaveDiscord

- Built a feature-rich chat platform supporting video calls, live messaging, and server/channel structures.
- Tech Stack — NextJS, TypeScript, Pusher, LiveKit, Clerk, Prisma, PostgreSQL.

GenAI Projects

- **Insightly** — Chatbot analyzing social media trends using Langflow + Datastax; improved engagement by 30%.
- Built a document QA bot with LangChain, Gemini, FAISS, and Streamlit—handling 200+ PDF reports.
- Created a news generation pipeline using CrewAI and FastAPI with autonomous researcher/writer agents.

DaveDFS

- A decentralized P2P file-sharing network in Go, with encrypted, content-addressed storage and efficient gossip protocol.

Skills

Languages	Golang, JavaScript, TypeScript, Python, C/C++, Bash
Tools	ReactJS, NextJS, NodeJS, ExpressJS, FastAPI, GraphQL, gRPC, Go-std, Fiber, HonoJS, WebSockets
Databases	PostgreSQL, MongoDB, Redis, MySQL, cassandra, TimescaleDB
DevOps	Docker, Kubernetes, Kafka, AWS, Terraform, Linux, Jenkins