

Devansh Bhagania

Full Stack Engineer | AI Engineer

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SUMMARY

Full stack and AI engineer with two years of internships shipping Python (FastAPI) and NestJS services on AWS. Built RAG pipelines and AI agents for JobPeer (3,000+ users, 30+ employers) and end-to-end mutual fund ordering on BSE StAR MF for Invo Wealth. Owns high- and low-level system design, observability and performance tuning.

TECHNICAL SKILLS

Languages	Python, TypeScript, JavaScript, Java, C++, SQL
Backend	FastAPI, Flask, Django / DRF, Node.js, NestJS, MedusaJS, idempotent APIs, cron jobs, job queues
Architecture	RESTful APIs, Microservices, Event-Driven Systems, Monorepo, System Design (HLD/LLD)
AI / ML	RAG pipelines, pgvector, AI agents, Hugging Face (fine-tuning), ComfyUI
Databases	PostgreSQL (schema design, indexing, tuning), MySQL, MongoDB, Redis
Data	Kafka, Pandas, NumPy, AWS Redshift, ETL, Data Pipelines
Cloud & DevOps	AWS (ECS, Fargate, Lambda, S3, SQS, ALB, Auto Scaling), GCP (familiarity), Docker, Vercel, Supabase, CI/CD, GitHub Actions, GitLab CI, OpenTelemetry, SigNoz
Integrations	Zoho, Stripe, PayPal, Slack API, WhatsApp Business API, Zapier, Freshsales
Frontend	Next.js, React, Tailwind CSS, shadcn/ui

EXPERIENCE

SDE Intern, Appreciate Platform Private Limited

Jul 2025 – Aug 2026

FinTech & Digital Investment Platform

Noida, India

- Cut p95 latency of critical services from ~1,000 ms to under 600 ms through profiling and bottleneck fixes.
- Reduced 4xx and 5xx error responses by 35% by tracing production issues to root causes and fixing application-level flaws.
- Integrated OpenTelemetry and SigNoz across 30+ services with centralized dashboards for traces, logs, service health and anomalies; correlated traces and logs to find bottlenecks and track user drop-off in key flows.
- Built FastAPI and Django services for mutual fund portfolio management, transaction tracking and investor profiling, plus the ART 1.0 onboarding pipeline (KYC, PAN lookup, document checks).

Full Stack Intern, Twwios Technology Private Limited

Jun 2024 – Jun 2025

Hospitality and hotel booking platform

Pune, India

- Architected the system design of a hotel booking and hospitality management platform serving 800+ hotel and villa partners with ₹70K+ in daily orders, keeping overall p95 latency under 500 ms.
- Built a multi-source ETL pipeline syncing MySQL, MongoDB, PostgreSQL, Stripe and Freshsales into AWS Redshift via Lambda and S3.
- Built a Next.js, shadcn/ui and Tailwind CSS component library from Figma designs, improving critical UX metrics by 25% through performance-optimised, pixel-accurate interfaces.

PROJECTS

JobPeer, AI recruiting platform for startups

jobpeer.in | GitHub

Python, FastAPI, PostgreSQL, Redis, pgvector, Hugging Face, Playwright

Aug 2026 – Present

- Built the platform largely solo; it serves 3,000+ users and 30+ employers who moved their recruiting fully onto its ATS.
- Built AI sourcing agents that read a role, find matching candidates, run outreach, screen replies and book interviews, achieving a 28% candidate reply rate.
- Built RAG pipelines on pgvector over domain-specific knowledge bases for context-aware, grounded AI responses, and fine-tuned Hugging Face conversational models per client.
- Built an open-source job scraper (Flask, Playwright) that pulls recent listings from 8 portals, including LinkedIn, Indeed, Naukri and Glassdoor, handling bot-protected sites with persistent browser sessions.
- Designed the PostgreSQL schema, indexing and query tuning behind search, matching and the ATS pipeline.

Invo Wealth, fintech mutual fund platform

invowealth.com

Python, FastAPI, Flask, Pandas, NumPy, BSE StAR MF API, WhatsApp Business API

Jul 2026 – Sep 2026

- Integrated the BSE StAR MF API end to end for lumpsum and SIP order placement, with idempotent APIs that prevent duplicate orders; the platform manages ₹4 Cr+ in AUM.
- Built AI portfolio analysis with scheduled cron jobs that score and track each portfolio on risk, consistency and performance.
- Built high-throughput Python services (FastAPI, Flask) with Pandas and NumPy data pipelines, and WhatsApp Business API notifications for orders and portfolio alerts.
- Owned high- and low-level system design for modularity, scalability and security.

LookHub, B2B wholesale fashion marketplace

lookhub.com

MedusaJS, PostgreSQL, Redis, ComfyUI, Docker, AWS ECS Fargate, GitLab CI

Oct 2026 – Present

- Built an AI image generation pipeline in ComfyUI for product imagery, contributing to a 60%+ increase in customer conversion.
- Built AI agents for vendor operations that automate catalogue management and SEO across 5,000+ SKUs.
- Integrated AI-driven workflows into the marketplace to streamline vendor operations and improve product discoverability.
- Built a bulk upload system (validation, batching, S3 ingestion) and GitLab CI zero-downtime deploys on AWS ECS Fargate with Dockerised services.

EDUCATION

Chitkara University

2022 – 2026

Bachelor of Engineering in Computer Science · CGPA 9.10 / 10

Punjab, India

ACHIEVEMENTS

- 1st of 400 participants, Joget Blockchain Hackathon (Jan 2022)
- 1st of 130 teams, UIET Coffee and Code Hackathon (Oct 2023)
- Best Web3 Hack award, Hack4Sustainability Hackathon, Thapar University (Nov 2023)