

# Tanish Vashisth

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## SUMMARY

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Backend-focused SDE with 1.5+ years building production systems in Django, Elasticsearch, and Celery. Shipped LLM-powered job matching features at Instahyre and backend infrastructure for a Shopify plugin at Xtage. Python-first with full-stack exposure across FastAPI, AngularJS, and React. Strong focus on code quality, security best practices, and minimizing production bugs. Seeking technically challenging roles where I can own problems end-to-end and keep growing.

## EXPERIENCE

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### Software Development Engineer 1 (SDE-1)

Dec 2024 – May 2025

*Instahyre*

*Noida, Delhi*

- Owned the entire Jobs module end-to-end; built **Magic Boost** — a recommendation engine suggesting optimal parameters to expand candidate pools — and **Market Signal** — an LLM-powered feature using the **OpenAI API** to generate JD-aware recruiter insights; also improved skills and boolean matching logic to increase candidate relevance.
- Scaled critical APIs from **750ms to 120ms** average latency (~84% reduction) by replacing Django ORM with optimized raw SQL queries, cutting overall API response times by ~30%.
- Built an automated reporting pipeline aggregating OpenAI-generated recommendation outputs per recruiter JD into weekly management reports for system performance analysis.
- Shipped **Fine-Tune** — a production AI feature using the OpenAI API to enable employers to refine candidate searches using AI-driven signals — boosting candidate relevancy by **70%** and increasing candidate pool size by **40%**.

### Back-End Intern

Aug 2024 – Nov 2024

*Xtage*

*Gurugram*

- Solely built the entire backend for **Pearch** — a Shopify collection-sorting plugin with **1,000+ installs** — featuring an ML-assisted ranking engine that surfaces the most relevant products to shoppers by combining rule-based signals (discount, timing, rating, variants, deadstock) with store-owner-configurable parameters.
- Optimized API to handle **200–300 customer visits/hour** using Celery async queues; integrated Shopify subscription billing API for recurring pricing logic; deployed infra on AWS and DigitalOcean via Docker and Nginx.
- Collaborated with a cross-functional team of frontend, UX/UI, and PM; delivered full API documentation shared with frontend developers.

### Python Intern

Feb 2023 – Apr 2023

*Callisto Infotech*

*Remote*

- Built full-stack web applications using the MERN stack (MongoDB, Express.js, React, Node.js), including [rashtriyatv.com](https://rashtriyatv.com) — a live news platform with a custom admin editor.
- Built REST API endpoints with Django REST Framework including JWT authentication; designed ORM models and Tailwind CSS frontend components.

## PROJECTS

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### Fasfas | *Django, AngularJS, React Native, Celery, Elasticsearch* | [fasfas.in](https://fasfas.in)

- Built a full-stack fashion e-commerce platform with a Django REST backend, AngularJS web frontend, and React Native mobile app — live at [fasfas.in](https://fasfas.in).
- Integrated AI-powered fashion suggestion engine to surface personalized outfit and product recommendations; used Elasticsearch for product discovery and Celery for async order processing and notifications.

### mcp-phabricator | *TypeScript, MCP, Phabricator API* | [GitHub](https://github.com)

- Built an open-source MCP server in TypeScript enabling AI agents (Claude, Gemini, Windsurf) to autonomously review code diffs with stack-aware prompts, generate task summaries, and manage Phabricator workflows — published on Smithery and installable via Claude Code.

### Rune | *Go, Ollama, RAG* | [GitHub](https://github.com)

- CLI tool in Go that enhances local LLM capabilities via Ollama — implements a RAG pipeline for semantic search over personal notes, maintains full conversation context across sessions, and enables AI-assisted querying entirely offline.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, TypeScript, SQL, C++, Go

**Frameworks & Tools:** Django, FastAPI, Flask, Node.js, React.js, Next.js, AngularJS, Celery, Elasticsearch, Tailwind CSS

**AI/ML:** LLM Integration, Prompt Engineering, RAG, Ollama, OpenAI API, Gemini SDK, Vector Search

**Infrastructure:** AWS, Docker, Nginx, Kibana, PostgreSQL, MySQL, Redis, DigitalOcean

**Dev Tools:** Git, Postman, Neovim, Phabricator, Arcanist

**Libraries:** pandas, NumPy, Matplotlib

## EDUCATION

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### Bachelor of Technology in Information Technology

2020 – 2024

*Krishna Engineering College (AKTU)*

*CGPA: 7.54*

### XII (CBSE)

2019

*Navyug School, Laxmi Bai Nagar*

*CGPA: 8.7*