

Tavishi Vemuri

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Skills

Languages: Python, JavaScript, TypeScript

Frameworks & Technologies: React.js, Next.js, Node.js, FastAPI, GraphQL, Tailwind CSS, Docker

Databases & Tools: MongoDB, PostgreSQL, Neo4j, AWS, GCP, Git, Postman, Playwright

Work Experience

Python Developer II

Remote

Turing

Nov 2024 – Present

- Built CI/CD pipelines for FastAPI microservices with automated testing and deployment validation, reducing deployment failures by 25% and improving release turnaround time.
- Developed and maintained APIs used to run and monitor AI-driven workflows, adding validation, error handling, and logging to make the platform more stable and easier to debug.
- Integrated backend services with internal dashboards and testing tools, helping teams track workflow execution and validate new features faster across multiple systems.

Software Engineer

Remote

Invisible Technologies

Oct 2023 – Nov 2024

- Developed a React 18+ TypeScript frontend for onboarding agents into marketplace using Vite, TanStack Router, Tailwind, and Radix UI, improving onboarding flow performance and reducing load times by 25%.
- Connected GraphQL and FastAPI services to enable secure, real-time, feature-flagged workflows and reduced frontend-backend integration issues across releases.
- Improved UI reliability and release stability through Playwright E2E testing, Biome linting, and production monitoring with Sentry and Datadog, reducing production UI issues and debugging time by 35%.

Software Engineer

India

Sanfoundary

Aug 2023 – Oct 2023

- Enhanced and optimized Python backend services, reducing recurring production issues by 20% through performance improvements and proactive bug resolution.
- Containerized and deployed Python applications using Docker on cloud infrastructure, streamlining release workflows and improving deployment consistency.
- Optimized backend maintainability by refactoring Python modules and streamlining service workflows.

Junior Software Developer

India

Goonj

Mar 2023 - Aug 2023

- Built responsive UI components to improve user experience and optimize page performance across devices.
- Contributed using HTML/CSS, Node.js, and Python to support core application features.
- Collaborated with the founding team to streamline internal workflows and support website launches.

Education

Chandigarh University

Sept 2020 – June 2024

BE in Computer Science

- **Coursework:** System Design, Operating Systems, DBMS, Computer Networking, Computer Architecture

Awards

Academic Excellence Award - Chandigarh University

Best Design, First Runner Up - Technothon Hackathon, Cusat

Best Idea, Top 5 - Coursera Employment Hackathon

Projects

ELD Trip Planner

[Trip Planner](#) 

- Built a full-stack trucking trip planning platform that generates HOS-compliant routes with automated scheduling and ELD log generation.
- Integrated OpenStreetMap, OSRM routing, and geocoding APIs to provide interactive route visualization and FMCSA-compliant trip planning workflows.

VectorShift Builder

[VectorShift](#) 

- Built a full-stack workflow orchestration platform with drag-and-drop pipeline creation and real-time DAG validation.
- Designed backend graph-processing APIs to detect invalid connections and cyclic dependencies in workflows.

Playground

[Playground](#) 

- Developed a multi-project experimentation platform featuring AI image generation and interactive web applications.
- Integrated a custom Stable Diffusion model into a scalable Next.js frontend with responsive UI components.

Calendar AI

[Calendar AI](#) 

- Developed an AI-powered meeting assistant that summarizes transcripts and extracts actionable insights.
- Integrated Google Calendar APIs to automate scheduling workflows using mutual participant availability.

Sentiment Analyzer

[Sentiment Analyzer](#) 

- Built a FastAPI-based sentiment analysis API using a pre-trained BERT model for text classification.
- Implemented scalable inference pipelines and REST APIs for real-time sentiment prediction workflows.

True Vest

[True Vest](#) 

- Developed the frontend for a blockchain-based incentivized crowdfunding platform during a 24-hour hackathon.
- Built responsive interfaces for contribution tracking, token rewards, and marketplace interactions.