

Vedank Vansia

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Summary — Final year Full-Stack Developer specializing in creating intuitive and seamless user experiences. Proficient in full-scale application development with a strong focus on emerging AI technologies, including RAG systems and intelligent agents.

Skills

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|--|---|
| Languages Typescript, Javascript, C/C++, Python, Java | UI/UX Wireframing, Prototyping, User Research, Experience Design |
| Frameworks Node.js, React.js, Svelte, Express.js, Next.js, Tailwind, Ruby on Rails, WebContainers, WebSockets | Tools Git, GitHub, Postman, Figma, Framer, Adobe Suite |
| Databases MongoDB, MySQL, Firebase | |

Experience

- Outlier (Part-time)** May 2025 – Present
React Developer
AI-Powered UI Development
- Developed sophisticated prompt chains to auto-generate custom React components, accelerating front-end development for two Next.js projects (Andromeda UI & Tuxedo).
 - Debugged, refactored, and optimized AI-generated code to ensure production-level quality and functionality.
- Antriksh.ai** Dec 2024 – Feb 2025
User Interface Designer Intern
UI Design for a Dual-Service Tech Startup
- Led end-to-end UI design and delivery for a dual-service startup's platform using Figma & Framer.
 - Brand Strategy & Team Collaboration
 - Drove brand strategy via competitor & UX research to deliver a modernized company profile.
 - Guided a junior designer on project workflows and best practices to ensure collective design success.
- Navrasa Group-Event Management Company** Jul 2024 – Jan 2025
UX Engineer Intern
Website Redesign & Engagement Growth
- Spearheaded a complete UI/UX redesign of the company website, resulting in a **55%** increase in user engagement.
 - Managed the development handoff, ensuring a pixel-perfect, responsive implementation of the design system.

Education

Dayananda Sagar Academy of Technology and Management CGPA: 8.2
Bachelor of Technology in Computer Science and Design 2022–2026

Projects & Awards

- Brain Tumor Detection AI** | PyTorch, YOLOv8, Streamlit, OpenCV | **GitHub** | **Deployment** January 2026
- Built a tumor detection system using YOLOv8 (Ultralytics) and PyTorch 2.5.1 for MRI scan analysis.
 - Engineered MRI preprocessing pipeline using OpenCV, NumPy, Pillow, Nibabel with CUDA 12.1 (RTX 3080) optimized inference.
 - Built a Streamlit interface for real time prediction, visualization, and text extraction using pdfplumber and RegEx.
- Music for Coding** | SvelteKit, TypeScript, GSAP, HTML5 Audio, Proxy | **GitHub** | **Deployment** Nov 2025
- Engineered a high performance streaming platform using SvelteKit and TypeScript with reactive UI via Svelte Stores.
 - Built a custom audio engine with an optimized buffering strategy and SvelteKit proxy to ensure seamless, interruption-free playback, integrated with a GSAP-animated visualizer.
- PBlog** | Ruby on Rails, Devise, PostgreSQL, Docker, Fly.io | **GitHub** | **Deployment** June 2025
- Engineered a secure, full-stack Rails blog implementing user authentication with Devise.
 - Deployed the Docker-containerized application on Fly.io for low-latency global distribution.
- FoKus** | Next.js, React, TypeScript, Tailwind CSS | **GitHub** | **Deployment** May 2025
- Architected a full-stack Pomodoro app with customizable timers, task management, and ambient sounds.
- Sahara Project Award** April 2025
- Bagged **1st place** at ALGORAVE 2025 (CSE-AI Department event) for the Sahara project's innovative food detection pipeline.