

Vijay Bharvad

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Summary

Product-focused Software Engineer with 2+ years of experience building and scaling event-driven, AI-orchestrated full-stack systems. Passionate about automating enterprise workflows, optimizing contextual LLM pipelines, and building production-ready APIs with measurable business impact.

Education

Illinois Institute of Technology

M.S. Computer Science GPA 3.6/4.0

Chicago, IL

Aug 2023 – May 2025

Charotar University of Science and Technology

B.Tech. Information Technology GPA: 3.6/4.0

INDIA

Aug 2019 – May 2023

Work Experience

Software Engineer

Halluminate(YC S25)

July 2025 – Present

NYC, NY

- Designed and built core **Django/PostgreSQL** APIs powering automated **LLM evaluation workflows**, optimizing **contextual grounding, confidence scoring**, and **intent classification** patterns to ensure deterministic production outputs.
- Containerized and standardized deployment architecture with **Docker**, enabling consistent environments and supporting 5K+ active users without infrastructure instability.
- Implemented product analytics using **PostHog** and ran controlled A/B experiments, driving 25% engagement growth through data-informed UX iteration.
- Collaborated cross-functionally to evolve evaluation pipelines with production-grade logging, monitoring, and scalable API patterns.

Full-Stack Developer

Find Me LLC

Aug 2024 – July 2025

Elmont, NY

- Architected and shipped a full-stack social portfolio platform using **Next.js**, **Node.js**, and **AWS**, **orchestrating third-party data syncs and webhooks** to improve page load speed 2x and reducing API latency by 50%.
- Designed scalable RESTful APIs with CI/CD integration and automated test coverage, increasing system reliability and deployment confidence.
- Led frontend architecture decisions, implementing reusable UI systems and accessibility-first components that increased user engagement by 25%.
- Partnered with stakeholders to iterate product features rapidly in startup-style sprints.

Software Engineer Intern

NEW EIC

Jan 2024 – Aug 2024

Boston, MA

- Owned full SDLC delivery of a React/Node/Python application serving 1K+ users, translating ambiguous business requirements into scalable production features.
- Expanded backend architecture with **50+ API routes** and introduced performance optimizations including lazy loading and MongoDB indexing, doubling query speed.
- Built secure referral intake systems via **Flask** APIs integrating with school enrollment workflows, reducing onboarding time by 30%.
- Automated CI/CD and production monitoring with **GitLab**, **New Relic**, and **Splunk** to ensure stable releases and fast rollback capability.

Projects Experience

Orbit Guardians | Hackathon Winner | *Python, React.js, Supabase, Express.js*

orbit-guardians.netlify.app

- Built a real-time event-driven web application integrating **React**, **Supabase**, and **Express** to simulate threat detection workflows and live user communication.
- Designed modular frontend architecture and automated deployment pipelines under 48-hour hackathon constraints, demonstrating rapid production delivery and system scalability.

PastPort AI App | Hackathon Winner | *Flutter, Dart, OpenAI API, FastAPI*

github.com/PastPort-AI-App

- Engineered an AI-powered conversational system using **FastAPI** and the **OpenAI API**, implementing structured prompt handling and scalable request workflows.
- Developed a Flutter-based client with real-time AI responses and efficient state management, integrating SQLite for lightweight and performant data storage.

Technical Skills

- Languages: **Python**, **TypeScript**, **JavaScript**
- Frameworks: **Django**, **Flask**, **React**, **Next.js**, **Node.js**
- Cloud & Tools: **AWS**, **Docker**, **PostgreSQL**, **MongoDB**, **CI/CD**