Devang Borkar

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Education & Certificates

- M.S in Computer Science from University of California Davis — Status-Ongoing
- B.E. in Computer Science from Pune University — Status - Graduated

Work History

SWE Intern at *LearnHaus AI* — June 2025 - August 2025

- Developed an multimodal AI coaching platform from design to deployment using Python and ReactJS achieving 92% feedback accuracy & reduced processing costs by 30%.
- Built a novel evaluation system using Model Context Protocol for agentic behavior with AI-as-a-judge, improving feedback actionability by 25% ensuring safe & intelligent AI features.

Software Engineer at *Hexaview Technologies* — August 2022 to September 2024

- Shipped 20+ features for a Fortune 500 wealth management company using ASP.NET Core within an AWS Lambda-based microservice architecture, fully automated via GitHub Actions CI/CD pipelines.
- Refactored a legacy backend servicing 1M+ monthly requests, applying key design patterns to reduce code complexity, enabling the successful refactoring of 50+ REST APIs and optimization of SQL performance.

Founding Engineer at *HammerTrade (Stealth Startup)* — October 2024 to Now

- Designed a parallel processing service using Python that efficiently managed distributed ML workloads for high-frequency trading simulations and deployed the platform on AWS using Kafka, achieving real-time data visualization.
- Engineered a market simulation environment to train autonomous reinforcement learning (RL) agents, modeling extreme volatility via 10+ parameters.
- Used ReactJS for building frontend components while achieving real-time data visualization with a dashboard refresh rate of 0.35s for live market simulations.

Projects

ResChat – Decentralized Platform with AI Assistant

- Built a low latency communication platform using C++ and Python leveraging distributed storage systems for real-time messaging and large file transfers
- Implemented a RAG-based AI chatbot using LangChain processing complex semantic searches across distributed documents and reducing information retrieval time by 85%.
- Developed a pipeline to generate high-quality embeddings and index documents in a FAISS vector database, optimizing for accurate embedding-based retrieval.

LLM Self-Chat - Agentic AI Simulation Framework

- Developed an agentic framework using Python and LangChain enabling multiple LLMs to converse, simulating multi-agent systems for behavior analysis and prompt engineering.
- Engineered the system with custom prompts for each agent and utilized WebSockets for real-time, low-latency communication between the front-end and a Flask backend.

Daily Digest – AI-Powered Gmail/Calendar Summarizer

- Created an AI assistant reducing the daily planning overhead by 70% using Flask and Python powered by Gemini AI via secure OAuth 2.0, providing personalized priority-based summaries and Text-To-Speech capabilities.

AI CodeMentor – LLM-Powered Code Analysis & Review Automation

- Created a GitHub Action using Node.js for automated CI/CD code reviews, supporting PRs, issues with intelligent change detection via git diff, GitHub API, and fallback mechanisms.
- Added agentic tool calling features to enable the LLM to dynamically invoke external functions and tools for extended analysis during code reviews.