# DEVANG BORKAR

Davis, CA | +1 (312) 358-5722 | [devangborkar3@gmail.com](mailto:devangborkar3@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## EDUCATION

**Master of Science in Computer Science**, GPA: 3.92/4.0 — Davis, CA
*University of California, Davis* — Expected May 2026
Coursework: Distributed Database Systems, AI in Software Engineering, Vision Language Models

**Bachelor of Science in Computer Science** (Spec. in AI & ML), GPA: 9.13/10.0 — Pune, India
*University of Pune* — 2019 – 2023

## EXPERIENCE

**Lead Software Engineering Intern - AI** — Davis, CA
Learnhaus AI — June 2025 – Aug 2025
**Skills:** *Multimodal Data Processing, Prompt Engineering, Pydantic, Python, Affective Computing, REST APIs*

- Engineered a **multimodal AI** coaching platform from design to deployment, creating a **multi-provider AI benchmarking** system achieving **92% feedback accuracy** & reduced processing costs by 30%.
- Delivered a novel **AI-as-a-judge** quality assurance framework, improving feedback **actionability** by **25%** by leveraging one LLM to validate the output of another.

**Software Engineer** — Pune, India
Hexaview Technologies — Aug 2022 – Sept 2024
**Skills:** *C#, SQL, EF Core, Object-Oriented Design, Test-Driven Development, Architectural and Design Patterns*

- Increased **client satisfaction ratings** by **30%** by shipping **20+** features within a C# and **AWS-based microservice** architecture.
- Enhanced backend performance by architecting **50+** APIs and **optimizing SQL** queries achieving a **25% increase** in system efficiency while servicing over **1 million** requests per month.

## PROJECTS

**HammerTrade – HFT Stock Prediction Platform** — Startup Club, UCD
**Skills:** *Predictive Modeling, Continuous Model Retraining, Python, PyTorch, Kafka, Docker, Market Simulation*

- Developed a containerized, **microservices**-based platform using Docker, including **secure** authentication and **parallel processing** service to efficiently manage **model execution** workloads.
- Engineered a **synthetic data engine** allowing users to configure **10+ market parameters**, including the probability and duration of "black swan" events, agent risk profiles, and market recovery speed.
- Deployed the platform using **Kafka** and **Redis**, achieving **real-time** data **visualization** with a dashboard **refresh rate** of **0.35s** for **live market** simulations.

**ResChat – Decentralized Platform with AI Assistant** — Apache Software Incubation- ResilientDB
**Skills:** *Distributed Systems, Python, ReactJS, IPFS, C++, Websockets, RAG, Vector Databases, LangChain, Bazel*

- Built a **censorship-resistant**, **decentralized** communication platform using ResilientDB and IPFS, enabling secure, **real-time messaging** and large file transfers (up to 1 GB).
- Implemented a **RAG-based AI** chatbot for **semantic document** search, slashing average information retrieval time by **over 85%** compared to manual methods.

**Daily Digest – AI-Powered Gmail/Calendar Summarizer**
**Skills:** *Python, Gemini, Google Cloud, React, API Integration, Data Caching, MongoDB, Async Job Scheduling*

- Created an AI assistant slashing the daily planning **overhead by 70%** using Gemini to access Google Calendar/Gmail via **secure OAuth** 2.0, providing **priority-based summaries** and text-to-speech capabilities.

## SKILLS

| | |
|---|---|
| **Languages** | Python, Java, Go, C++, C#, SQL, JavaScript/TypeScript, Bash |
| **Artificial Intelligence** | LLMs, RAG, Multimodal AI, Vector Storage, Prompt Engineering, In-Context Learning |
| **Machine Learning** | PyTorch, TensorFlow, Supervised Fine-Tuning, Computer Vision, NLP, Predictive Modeling |
| **Cloud & DevOps** | AWS, Google Cloud (GCP), Docker, Kubernetes, Terraform, CI/CD (Jenkins), Git, Bazel |
| **Web & APIs** | React, Flask, Node.js, REST APIs, GraphQL, WebSockets, Material-UI (MUI), Pydantic |
| **Databases & Storage** | SQL, MongoDB, Vector Databases (FAISS), Distributed Storage (IPFS, ResilientDB), Redis |
| **System Design** | Microservices, Distributed Systems, Test-Driven Development (TDD), HLD, OAuth, JWT |