

Vir Khanna

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EDUCATION

University of California, Davis

September 2025

B.S. Computational Cognitive Science (Data & AI) — Minor in Philosophy (AI Ethics)

GPA: 3.79

Relevant Coursework: Algorithms, Data Structures, Operating Systems, Machine Learning, Artificial Intelligence, Web Development, Database Management, Computer Networks, Advanced Logic, Comp. Linguistics, Comp. CogNeuro

EXPERIENCE

Blendid AI

June 2025 – October 2025

Technical Support Engineer Intern

Sunnyvale, California

- Owned end-to-end product launch of automated refund flows, slashing ticket resolution latency 72% for 15 sites
- Orchestrated B2B inventory alerting platform, driving cross-functional ops alignment for 99% recipe availability
- Defined core system health metrics and launched predictive fault features, slashing operational false alarms 20%

Everise

June 2024 – December 2024

Forward Deployed Engineer Intern

Plantation, Florida

- Spearheaded global voice AI product rollout, driving cross-center adoption to boost automated resolutions 70%
- Championed enterprise UX overhaul by launching a self-serve IVR product, slashing hold times 70% in 4 countries
- Directed global infrastructure scaling for B2B enterprise clients, guaranteeing 99.9% SLA uptime for AI products

CK Birla Group - Healthcare & IVF

June 2023 – December 2023

Product Engineer Intern

Gurugram, Haryana

- Integrated LLM chatbots via Langchain and Flask to optimize internal Slack-based question answering tools
- Extracted PDF text data for iKites.ai to enable efficient company-wide automated question answering systems
- Minimized API latency by 25% for employee queries by optimizing Flask/Node backends and data extraction

Machine Learning Student Network

March 2024 – Present

Tech Director, Founding Member

Davis, California

- Mentored 50 members and 6 juniors as Tech Director, scaling the UC Davis Machine Learning Student Network
- Guided 5-person cohorts from ideation to complete deployment of ML systems with end-to-end CI/CD pipelines
- Achieved 90%+ test accuracy for real-time ASL recognizers via MediaPipe hand tracking and MobileNetV2 models

PROJECTS

Enterprise KG-RAG w/ Multi-Agent Layer (Graphiti) | *Neo4j, CrewAI, Docker, React*

- Led enterprise KG-RAG product strategy, utilizing Neo4j to extract complex financial entities from PDF data
- Enforced AI reliability by designing 5-agent CrewAI pipelines with strict evidence-only JSON output protocols
- Deployed Graphiti on Neo4j Aura, leveraging product telemetry and vector indexes for real-time visual graphs
- Formalized financial domain modeling, building typed Neo4j edges to capture precise dates in enterprise filings

Bullseye – AI Financial News Analysis Platform | *OpenAI API, MySQL, Alpha Vantage, Node.js*

- Synthesized real-time market analysis product pipelines, integrating GPT-4 APIs to deliver user news insights
- Launched Chrome extension product features, triggering seamless LLM analysis across 200+ financial portals
- Constructed interactive frontend UX with React and TS, embedding SVG charts for market data comparisons

Echo Journal – AI Voice Journaling iOS App | *SwiftUI, FastAPI, WebSocket, PostgreSQL, OpenAI API*

- Handled iOS scaling for 100+ concurrent OpenAI Realtime API connections with sub-second audio latency
- Supervised backend product architecture via FastAPI and async PostgreSQL to power AI-driven journal synthesis
- Prototyped iOS MVP roadmap and conducted local beta testing to validate core AI voice journaling UX workflows

TECHNICAL SKILLS

Product & Analytics: Agile/Scrum, A/B Testing, Product Roadmapping, Telemetry, User Experience (UX), Jira, Confluence, Figma, Tableau

Languages: Python, SQL, R, Java, C/C++, TypeScript, Rust, Golang, JavaScript, HTML/CSS, Bash, x86

Machine Learning & Data Science: LLMs, TensorFlow, Keras, Scikit-learn, LangChain, NLP, Knowledge Graphs, Pandas, NumPy, Seaborn, OpenCV, Stardog, Apache Jena Fuseki

Technologies: React, Node.js, Express, Flask, FastAPI, PostgreSQL, MySQL, Neo4j, MongoDB, Redis, AWS (S3, EC2, Lambda), GCP, Azure, GraphQL, gRPC, Spring Boot, Django, Airtable

Tools & Infrastructure: Docker, Kubernetes, Git, GitHub Actions, Jenkins, Terraform, Maven, Postman, WebSockets, Zendesk Webhooks, DevOps