

KAMYA KRISHNAN

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EDUCATION

Santa Clara University, Santa Clara, CA

M.S., Information Systems. Leavey School of Business - **Expected Graduation: June 2026**

B.S., Web Design and Engineering (**Major**)| Computer Science and Engineering (**Minor**) | **Graduated: June 2024**

WORK EXPERIENCE

Software Engineering Intern: Cognifin, Inc. Los Altos, CA | November 2024-Present

- Redesigned the login page using Next.js and React, aligning with Cognifin's mission to provide innovative study tools. The redesign goal was to improve usability and branding consistency.
- Optimized the Next.js codebase for performance and responsiveness, ensuring cross-device accessibility.
- Role - Frontend development and UI enhancements to improve user experience and ensure design consistency across the platform

Software Engineering Intern: MRSL Real-Time Systems Laboratory, Monterey, CA | Jun 2023-Sept 2023

- Built and optimized React components with "sigplot" and Nx, integrating X-Midas for real-time data visualization.
- Conducted performance testing on Midas 5 widgets, analyzing the impact of multiple widgets and clients
- Implemented a continuous integration (CI) pipeline and delivered a real-time data analysis web page displaying key metrics

Meta University Intern: Meta, Menlo Park, CA|Jun 2022-Aug 2022

- Completed CodePath's full-stack web development training, building a fully functional web application project from scratch.
- Shadowed the Facebook Marketplace team, attending meetings to gain insights into feature development and implementation.

President/Board Member: Association of Computing Machinery Women's Chapter SCU|Sept 2020-Sept 2022

- Served as president and oversaw day to day operations of the club.Planned & executed Hackathons and Networking events

RELEVANT PROJECTS/CERTIFICATIONS

Waymo (Business Strategy and Analytics Project)

- Conducted research to propose data-driven strategies for improving customer trust, product safety, and operational efficiency in autonomous vehicle operations.Presented tangible insights and technology recommendations to stakeholders, focusing on AI-driven safety enhancements and fleet optimization.

Airbnb (Data Analytics Project)

- Performed data cleaning and preprocessing using Pandas to handle missing values, outliers, and inconsistencies in Airbnb rental data.
- Utilized decision tree algorithms to classify room types and predict optimal pricing strategies, providing actionable insights for hosts.

Imergy (Supply Chain Optimization Project)

- Built a Gurobi optimization model to evaluate potential locations for a manufacturing facility, factoring in production costs, transportation expenses, and proximity to demand centers. Conducted a comprehensive cost breakdown and risk analysis, providing applicable recommendations to balance cost-effectiveness with operational resilience.

MonteRecycle (September 2023-June 2024)

- Led development of a full-stack app for tracking and reporting recyclables in Montevideo, using React Native (mobile), React.js (web), and Django for the backend.Utilized PostgreSQL on Supabase for data storage, deployed on Google Cloud. Awarded Frugal Innovation Hub Humanitarian Senior Project Award for exceptionally high degree of social impact

Car Dealership (September 2024)

- Developed a Django web app for managing car dealerships, including dynamic dealer listings, reviews, and user management.
- Built a Node.js microservice with MongoDB for review management, containerized with Docker, and deployed sentiment analysis on IBM Cloud. Enhanced the app with Kubernetes deployment and implemented CI/CD pipelines for continuous integration and testing.

Certifications: IBM Full Stack Developer Professional Certification

SKILLS

- **Frontend:** HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Swift UI, React Native, Websockets
- **Backend:** Node.js, Express, Ruby on Rails, PHP, Java, Python, C/C++, Django, Flask
- **Data Analytics:** Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, Jupyter Notebook
- **Database and DevOps & Deployment:** SQL, PostgreSQL, Git, Docker, Kubernetes, OpenShift, CI/CD, NX, Agile, Scrum
- **UI/UX & Tools:** Figma, Adobe Illustrator, Adobe Photoshop, Unix/Linux systems

RELEVANT COURSEWORK

- **Graduate:** Spring'25 - Generative AI for Enterprise, Database Management Systems-SQL, Natural Language Processing Completed - Financial Accounting, Data Analytics (Python), Information Systems Policy and Strategy, Supply Chain Management
- **Undergraduate:** Advanced Data Structures, Advanced Web Development, Web Technologies, Web Usability, Web Information Management, Web infrastructure, Computer Networks, Software Engineering, Advanced Data Structures, Discrete Math, Ethics in Technology, Technology & Communication, Media & Technology Studies, Graphic Design, Advanced Programming in C