# Harsita Keerthikanth

Work Status: US Citizen | Phone: 650-732-7807 | [harsita.keerthikanth@gmail.com](mailto:harsita.keerthikanth@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | San Jose, CA

## EDUCATION

**San Jose State University –** San Jose, CA                                                                        August 2022 - May 2026
- **Bachelor of Science in Computer Science,** Minors in Psychology and Statistics
- Relevant coursework: Data Structures and Algorithms, Object Oriented Design, Discrete Maths, Calculus I & II, Linear Algebra, Database Management Systems, Operating Systems, Programming Paradigms, Applied Probability and Statistics

**Cornell University –** Ithaca, NY                                                                                           May 2024 - May 2025
- **Machine Learning Foundations Certificate,** Break Through Tech AI
- Relevant coursework: Statistics, Exploratory Data Analysis, Dataset Building, Regression Models, Natural Language Modeling

## SKILLS & CERTIFICATIONS

**Skills**: Java, Python (Scikit-Learn, TensorFlow, PyTorch, Keras, etc.), HTML/CSS, JavaScript, TypeScript, MIPS Assembly, R, SQL, C
**Tools:** Eclipse, IntelliJ, VSCode, Git, GitHub, Figma, Canva, Replit, Jupyter Notebook, Google Colab, PyCharm, Kaggle, AWS
**Certifications**: Cornell University - Machine Learning Foundations, Udemy - Product Management

## EXPERIENCE

**Machine Learning Fellow (Break Through Tech AI Program), Google –** *Mountain View, CA*                 August 2024 - Present
- Developed **ML model** to enhance search functionality by predicting queries based on users' current and historical behavior
- Conducted **exploratory data analysis** using Google Trends to identify query patterns and select features for model tuning
- Provided recommendations for model deployment and impact measurement, facilitating integration with Google Search

**Artificial Intelligence Engineer Intern, Dugree –** *New York, NY*                                              July 2024 - Present
- Implemented data preprocessing, such as **feature engineering** and **normalization**, to prepare datasets for model training
- Analyzed AI interactions using **clustering** and **sentiment analysis** to refine efficacy, resulting in 25% increase in accuracy
- Developed training strategies for models, using **curriculum learning** and **fine-tuning**, leading to 20% increase in model depth

**Undergraduate Researcher, San Jose State University –** *San Jose, CA*                                      September 2023 - May 2024
- Developed an **EEG-based brain-computer interface**, focusing on **signal processing** and **ML** to enhance control and usability
- Implemented systematic approach to data analysis that reduced processing time by 40%, allowing focus on EEG interface
- Applied **ML algorithms** to classify EEG signals, achieving an 85% accuracy rate in distinguishing different mental states

**Product Manager and Frontend Developer Intern, Glocal –** *Chicago, IL*                                      September 2023 - January 2024
- Led conceptual design of 3 product features after conducting **competitor analysis**, **feasibility studies**, and **market research**
- Designed 30+ **Figma** wireframes, high-fidelity mockups, and prototypes for development using collaborative design tools
- Developed 5 app features using front-end technologies, such as **React,** to align with product vision, ensuring optimal usability

## PROJECTS

**SafeSwan – Travel Safety Platform** | Designer, Developer                                                           [View Project](#)
- Designed and developed user-centric platform to enhance safety through crime statistics visualization and **AI integration**
- Enhanced **data visualization** features, resulting in a 45% increase in user interaction with crime statistics dashboard
- Utilized **Python (Flask)**, **React**, **TypeScript**, and **OpenAI API** to implement intuitive user experience and key functionalities

**Revise Wise – AI Flashcards** | Lead Developer                                                                      [View Project](#)
- Developed an AI-driven flashcard **SaaS** using **Next.js**, **Clerk** for secure authentication, and **Firebase** database management
- Utilized OpenAI API to generate flashcard content and adaptive learning, enhancing personalization of study sessions
- Implemented **Stripe** payment gateway for subscription management and in-app purchases, streamlining payment process

## LEADERSHIP & AFFILIATIONS

**Break Through Tech AI at Cornell Tech** | AI/ML Fellow                                                            May 2024 – Present
- Selected from 3000+ applicants for fellowship program designed to advance careers of women in AI, ML, and Data Science
- Completed ML projects as part of Cornell's machine learning program and gained mentorship from industry experts
- Conducted data analysis and preprocessing, and trained and implemented ML algorithms using various Python libraries

**Girls Who Code SJSU** |Vice President                                                                              December 2023 – Present
- Managed 4 e-board members, organizing meetings and 1-on-1 calls for project success and seamless execution of events
- Implemented innovative growth strategies, such as social media outreach and tabling, achieving a 160% rise in membership
- Built relationships with external industry partners, securing business opportunities and events with top tech companies