

Harsita Keerthikanth

Work Status: US Citizen | Phone: 650-732-7807 | 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

EXPERIENCE

Machine Learning Fellow (Break Through Tech AI Program), Google – Mountain View, CA

August 2024 - December 2024

- Developed an **ML-powered query prediction system** to enhance search functionality, improving user engagement
- Conducted **exploratory data analysis** using Google Trends to identify query patterns for **feature selection**
- Implemented automated **data pipelines** for **large-scale data processing** using **Python** and **SQL**

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

Search Query Recommendation System – Lead Developer

[View Project](#)

- Built an **intelligent query autocompletion system** leveraging a fine-tuned **GPT-2 model** and **DistilRoBERTa-base Masked Language Model** to deliver accurate and contextually relevant query suggestions
- Developed user-friendly **Streamlit** web interface to demo individual and combined model predictions for query completion
- Utilized **Google Trends** for **exploratory data analysis** to identify key query patterns and refine features for optimization

Machine Learning-Based Stock Prediction Model – Lead Developer

[View Project](#)

- Built and trained ML models after exploratory data analysis to predict stock prices using Python, scikit-learn, and TensorFlow
- Experimented with ML algorithms, including LSTM neural networks and random forests, to identify most effective model
- Achieved 5% improvement in prediction accuracy over traditional time-series models by fine-tuning hyperparameters

Electroencephalogram (EEG) Data Analysis Using OpenBCI - Lead Analyst

[View Project](#)

- Developed **data preprocessing pipeline** to improve accuracy of ML models by 25%, resulting in more reliable predictions
- Utilized **Pandas** and **Numpy** to preprocess and transform EEG datasets, ensuring accurate and clean data for analysis
- Created detailed data visualizations with **Matplotlib**, showcasing EEG signal variations and event-related potentials (ERP)

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

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