

Harsita Keerthikanth

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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

Software Engineer Intern, Atlassian – San Francisco, CA

May 2025 - August 2025

- Launched next-gen **Confluence Recap** with actionable engagement metrics and an **AI-powered** summary experience (OpenAI + Confluence **APIs**), accelerating decision-making and boosting product value
- Built scalable **Databricks pipelines** processing data from millions of users across multiple tenants, using **SQL + Python** to compute metrics, power AI summaries, and ensure timely delivery
- Developed Recap pages using **Java Spring Boot and ADF Library**, providing seamless access to reports, metrics, and AI-generated insights, driving higher engagement and satisfaction
- Streamlined developer onboarding and AI feature integration by documenting key challenges and implementing system changes that improved maintainability

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

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

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

Girls Who Code SJSU | President

December 2023 – Present

- Led a 12-member team, held weekly meetings and 1:1s, boosting project completion by 25% and driving successful events
- Grew club membership by 160% (50 to 130) through creative outreach, social media marketing, and on-campus promotions
- Secured 70% more sponsorships and 10+ big tech collaborations by building strategic external partnerships

Break Through Tech AI at Cornell Tech | AI/ML Fellow

May 2024 – April 2025

- 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

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