Harsita Keerthikanth

San Jose, CA • 650-732-7807 • harsita.keerthikanth@gmail.com • LinkedIn • GitHub • Personal Website • US Citizen

EDUCATION

San Jose State University – San Jose, CA   August 2022 - May 2026
Bachelor of Science in Computer Science, Minors in Human Systems Integration and Statistics
Relevant coursework: Data Structures and Algorithms, Object Oriented Design, Discrete Maths, Calculus I & II, Linear Algebra, Computer Systems, 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, Training Regression Models, Natural Language Modeling

EXPERIENCE

Artificial Intelligence Engineer Intern - *Dugree*   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

Head of Design - *Codology*   September 2023 - June 2024
- Led a design team of 7 members, increasing efficiency by 30% through implementation of **Agile methods** and **design sprints**
- Spearheaded redesign of company's marketing collateral according to target audience, leading to rise in user engagement
- Streamlined design process by introducing design systems and reusable components, reducing iteration time by 40%

Undergraduate Researcher - *San José State University*   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*   September 2023 - January 2024
- Led conceptual design of 3 product features after conducting **competitor analysis**, **feasibility studies**, and **market research**
- Designed 30+ wireframes, high-fidelity mockups, and screen prototypes for development using collaborative design tools
- Developed 5 app features using **React** on the front-end to align with product vision, ensuring optimal usability

PROJECTS

SafeSwan - Designer, Developer   View Project
- Developed a user-centric platform focused on enhancing safety through intuitive crime statistics visualization and AI
- Enhanced data visualization features, resulting in a 40% increase in user interaction with crime statistics dashboard
- Utilized **Python (Flask)**, **React**, **TypeScript**, and **OpenAI API** to implement intuitive user experience and key functionalities

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 in a program designed to advance careers of women in AI, ML, and Data
- Completed Cornell's machine learning certificate, including hands-on projects and mentorship from industry professionals
- Conducted data analysis and preprocessing, trained and implemented ML algorithms various using 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
- Cultivated relationships with external partners, securing business opportunities and events with top tech companies

SKILLS & CERTIFICATIONS

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