

JANANI SRIRAM

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EDUCATION

University of California, Berkeley

Berkeley, CA

B.A. Computer Science, Minors in Data Science and Bioengineering, SCET Certificate in Entrepreneurship & Technology

Aug. 2021 – May 2024

• **GPA:** 3.7/4.0

• **Relevant Coursework:** Data Structures (Java, Python), Discrete Math and Probability, Full Stack Web Development, Information Devices and Systems, Introduction to Data Science, Introduction to Bioengineering, Economics of Innovation, Wealth and Poverty

PROFESSIONAL EXPERIENCE

Stanford Health Care

Palo Alto, CA

Business Intelligence Intern – Supply Chain Systems and Analytics, Master Data Management

June 2022 – Present

• Develop a ML-based description matching algorithm and a streamlined report intake system using Alteryx, Tableau, and SQL

Computer Science Mentors

Berkeley, CA

Senior Mentor – CS 61B

Aug. 2022 – Present

Junior Mentor – CS 61B

Jan. 2022 – May 2022

• Teach 5 undergraduate students critical data structures concepts in Java, lead pedagogical instruction at meetings with CSM family

Computer Science Course Staff

Berkeley, CA

Tutor – CS 61A

Aug. 2022 – Present

• Lead tutoring sessions and office hours for student support, answer student questions on public forum, grade assignments

Academic Intern – CS 61B, CS 61A

Aug. 2021 – Present

• Assist undergraduates with data structures and unit testing on labs, homework, and projects in Java and Python (6-10 students/hour)

Code for Fun

Remote

Coding Instructor

May 2020 – May 2022

• Teach elementary and middle schoolers and innovate challenges with fundamental programming concepts in Scratch, Python, and HTML

Pine Biotech

Remote

Bioinformatics Research Intern

Aug. 2020 – Mar. 2021

• Investigated host immune responses to SARS-CoV-2 variants, developed skills in supervised and unsupervised learning in Python and R

PERSONAL PROJECTS

XGBoost for Healthcare Data

Berkeley, CA

Developer

June 2022 – Present

• Create a decision tree model based on XGBoost targeting improved performance on quantitative healthcare data

Gitlet

Berkeley, CA

Developer

Nov. 2021 – Dec. 2021

• Designed and implemented a functional version control system based on Git

CLUBS AND ACTIVITIES

UpSync Consulting

Berkeley, CA

Technical Consultant, Professional Development

Feb. 2022 – Present

• RED x Adobe: develop application and UI connecting RED cinematic camera to Frame.io cloud using Python, C, React.js, and Qt

• Craft technological and business solutions for startups, learn critical professional development, networking, and interview strategies

Student Association for Applied Statistics

Berkeley, CA

Insights and Analytics, Career Exploration

Feb. 2022 – Present

• Implement critical machine learning and data science skills in Python (NumPy, Pandas) through workshops and client project

Berkeley Economic Review

Berkeley, CA

Web Developer

Feb. 2022 – Present

• Transition website from Wordpress to Wix with web development team, implement new features to promote user accessibility and interest

iGEM at Berkeley

Berkeley, CA

CheRMiT NLP Project Developer

Sep. 2021 – Present

• Develop ML and NLP pipeline to mine cheminformatics data from numerous scientific research papers

• Predict undocumented chemical reactions with 95% accuracy, create more decisive labeling functions for better metrics

SKILLS, ACTIVITIES, & INTERESTS

Technical Skills: C, Java, Python (NumPy, Pandas), SQL, Full Stack, R (Bioconductor), JavaScript (React.js), C++, HTML, CSS, Scheme

External Coursework: Genomic Data Science (Johns Hopkins University, Coursera), OmicsLogic Data Science Intensive (Pine Biotech)

Activities: Indian Classical 'Carnatic' Vocal Music and Semi-Private Instruction (14+ years), Indian Classical 'Bharatanatyam' Dance (13 years)

Languages: English (native), Tamil (native), Hindi (professional), French (professional)

Interests: Reading (mystery/speculative fiction), Singing, Writing, Technology, Genetics, Current Affairs, Economics, Geopolitics