

JANANI SRIRAM

(408) 645-4000 | janani.sriram@berkeley.edu | [LinkedIn](#) | [Personal Website](#) | [GitHub](#)

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

Supply Chain Master Data Management Intern

June 2022 – Present

- Develop an efficient report intake system and analytics dashboard using Alteryx, Tableau, and SQL on the Business Intelligence team

Computer Science Mentors

Berkeley, CA

Senior Mentor, Junior Mentor – CS 61B

Jan. 2022 – Present

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

Computer Science Course Staff

Berkeley, CA

Academic Intern – CS 61B, CS 61A

Aug. 2021 – Present

- Assist undergraduates with data structures, unit testing, trees, and graphs on labs, homework, and projects in Java and Python
- Shadow teaching assistants and support course staff with high volume of students in office hours (6-10 students/hour)

Code for Fun

Remote

Coding Instructor

May 2020 – Present

- 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, specifically spike protein conformations with models from RCSB PDB
- Developed data analysis and machine learning skills (data cleaning, supervised and unsupervised learning) in Python and R on CentOS

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 machine learning and natural language processing 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