

HARSH DADHICH

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EDUCATION

University of California, Santa Cruz

Sep 2022 – June 2025

Bachelor of Science: Computer Science

Santa Cruz, CA

- **GPA:** 3.75 – **Awards:** Dean's Honors List (x2), Chancellor's Undergraduate Internship Program (CUIP)
- **Coursework:** Computer Systems, Data Structures & Algorithms, Computer Architecture, Applied Discrete, Calculus, Machine Learning, Linear Algebra, Algorithm Analysis, Prog Lang Foundations

EXPERIENCE

Intuitive Surgical

Jun 2024 – Sep 2024

DevOps Engineering Intern

Sunnyvale, CA

- Producing Terraform pipelines for AWS infrastructure deployment (ALB, NLB, VPC, etc.) in multi-region setups
- Automating infrastructure deployment and scaling with Terraform, and creating AMIs using HashiCorp Packer
- Formulating Python and shell scripts to use AWS Systems Manager for managing and automating manual tasks

CITRIS and the Banatao Institute

May 2024 – Current

Data Scientist Intern

Berkeley, CA

- Benchmarking and developing LLM tests as part of a collaborative Generative AI project under a B2B Content Marketing & AI/ML Analytics company ([Beyond the Arc](#))
- Conducting text mining and data analytics while contributing to practical applications on a client energy project using Tensorflow and Google Colab

UCSC Genomics Institute

Apr 2024 – Current

Undergraduate Research Assistant

Santa Cruz, CA

- Curated functional code developing both artificial and observed datasets with MEArec for training and benchmarking of a neural spike-sorting machine learning model
- Mentored by Dr. Mircea Teodorescu in contrasting automatic spike-sorting algorithms Kilosort 2 and 4
- Leveraged lab AWS S3 buckets and Nautilus clusters with Python for data storage, processing, and analysis

PROJECTS

[round-nutrition](#) | Python, GitHub Actions, CI/CD

July 2022

- Developed a package to round nutritional value data to meet federal standards and regulations
- Received **13k+ downloads** from popular projects for use in nutritional interfaces and calculators

[SlugTools](#) | Python, TypeScript, BeautifulSoup, Flask

May 2022

- Deployed a RESTful API on parsed/scraped university data for course catalog, dining, and facility services
- Streamlined deployment and improved server resource usage by **20%** with CI/CD and periodic scraping

[Albert](#) | Python, discord.py, PIL (NumPy, Pandas)

October 2020

- Tailored a social media app to my local academic community with music display, trivia, weather querying, etc
- Increased community productivity by **35%** with features such as media processing, reminders, and alerts

OTHER

NASA Lucy Pipeline Program

January 2024

Mission Concept Academy

Remote

- Collaborated with industry experts to develop mission-relevant engineering and project management skills
- Directed a mission concept proposal as a team project manager and utilized Siemens NX CAD for rover modeling

GitHub Campus Expert

May 2023

Leadership Program

Santa Cruz, CA

- Selected as 1 of 90 undergraduate students in a competitive pool of over 6,000 applicants worldwide
- Chosen to represent my university through the platform and introduce students to open-source development

SKILLS

Languages: Python, C, C++, Java, TypeScript, HTML/CSS, \LaTeX

Tools: Docker, Git, VS Code, Figma, Canva, Adobe Creative Suite

Libraries: Angular, React, Node.js, BeautifulSoup, Pandas, Tensorflow, Flask

Platforms: AWS, Digital Ocean, Firebase, Cloudflare, Linux (Ubuntu)