

# HARSH DADHICH

Tracy, CA | [me@harshdadhich.com](mailto:me@harshdadhich.com) | (209) 637-1007 | [in hdadhich01](https://www.linkedin.com/in/hdadhich01) | [hdadhich01](https://github.com/hdadhich01)

## EDUCATION

### University of California, Santa Cruz

Sep 2022 – Mar 2026

*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 – Current

*DevOps Engineering Intern*

*Sunnyvale, CA*

- Produced Terraform pipelines for AWS infrastructure deployment (ALB, NLB, VPC, etc.) in multi-region setups
- Migrated CI/CD pipelines for a QA project increasing SDLC processes by **30%** from Jenkins to GitLab
- Automated infrastructure deployment and scaling with Terraform, and creating AMIs using HashiCorp Packer

### CITRIS and the Banatao Institute

May 2024 – Jul 2024

*Data Scientist Intern*

*Berkeley, CA*

- Benchmarking and developing LLM tests on a nuclear energy project for an AI/ML Analytics B2B ([Beyond the Arc](#))
- Tailored web application to produce a **45%** increase in efficiency for analyzing regulatory guideline documents
- Conducting text mining and chunking for RAG in a Generative AI project along with Tensorflow for NLP

### UCSC Genomics Institute

Apr 2024 – June 2024

*Undergraduate Research Assistant*

*Santa Cruz, CA*

- Curated functional code developing artificial/observed datasets through simulating extracellular recordings
- Mentored by Dr. Mircea Teodorescu and compared datasets for a **25%** increase in neural spike-sorting accuracy
- 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)