Ananya Pagadala

apagadala@scu.edu
469-426-9880
San Jose, California
github.com/ananyapags
pags.dev

EDUCATION

Santa Clara University
*Bachelor of **Computer Science*** *Sept 2020 - Jun 2024 (Expected Graduation)*

- **Spanish Language** minor, and **Mathematics** minor
- Critical Thinking and Writing 1 and 2 TA (Teaching Assistant)
- **Research**: Exposing and Fixing Public Safety AI — A machine-learning study that aims to uncover and improve the ineffectiveness of Public Safety Facial Recognition algorithms on POCs in the U.S.
- **NSF REU 2023**: Undergraduate Research Experience for Women in Machine Learning-based Cybersecurity
- **Miller Center Lewis Family Fellowship 2023**: Undergraduate Action Research for Social Entrepreneurship

EXPERIENCE

ACM-W (Association for Computing Machinery - Women's Chapter) Santa Clara, CA
President (April 2022 - Now) *Sept 2020 - Now*

- Increased event participation by 75% by cultivating a relationship where students are connected through Technical/Industry workshops and mentorship programs with fellow students, alumni, and companies
- Teaching technical workshops to provide free assistance to SCU. *Workshops taught: Intro to Machine Learning, C/C++ Pointers, iOS app dev with Swift, Intro to Flask, Firebase Web building, UI/UX with Figma*
- Led a team of 30 members to build dynamic registration and applicant management systems for SCU's *flagship hackathon* with over 350 participants. Increased monetary sponsorships by over 431% in 2023, and led the management of a $20,000+ budget. Hosted 7 technical workshops the day of, and a networking breakfast with various tech companies

Santa Clara University Santa Clara, CA
Research intern *Jun 2021-Sept 2021/Jun 2022 - now*

- Increased the accuracy of the Python Facial Recognition Library by 44% by using TensorFlow, Anaconda, and Biological Anthropology to create a neural network focused on revealing bugs in the algorithm
- Created a research database with over 800 attributes, including first and second-hand sources, personal algorithms, and college-wide surveys in order to write various rebuttals and conference proposals
- Used digital image/video processing algorithms to map out the Facial Recognition process used by various Tech companies and analyzed their cameras/sensors to better understand current usages of facial mapping

Juni Learning San Francisco, CA
Computer Science Instructor *Dec 2020 - Now*

- Effectively teaching clients Python (Machine Learning) and C++ curriculum, with custom lesson plans with 200+ unique projects, to achieve their goals by customizing tutoring and instructional approaches
- Developed 47 students' ability to use Python, C++, JavaScript, and/or Scratch from a beginner to an advanced level by focusing on project-based learning that revealed real-world applications of programming
- Documented and incorporated student strengths and weaknesses into bi-weekly private class sessions while maintaining a confidential log of improvements with 1000+ entries

SKILLS AND INVOLVEMENTS

- **Tools** AWS, GCP, Flutter, Firebase, Figma, React JS/Native, MS Visual Studio Code, X-code, Mac, Windows, Linux, Creative Content Development, Public Speaking, and Open-Mindedness
- **Languages** C++, Python (TensorFlow, Flask, and PyGame), Git , JavaScript, HTML, CSS, Rust, Swift
- **Organizations** ACM, SWE ++, Hack for Humanity, Rewriting the Code, IDEAS coalition @SCU

PROJECTS AND AWARDS

- Publication @EAI Intetain 2020 - One of 10 posters selected to present "Fixing AI for Public Safety".
- Won: Most Interdisciplinary Award at Hack For Humanity 2021: Click *here* for devpost
- Won: Fourth place at Bronco CTF in Santa Clara, CA
- To see my personal projects, visit *https://pags.dev* to access my portfolio