Deepa Marti

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Education

University of California, Davis: Bachelor of Science, Computer Science — Expected Graduation: June 2023
Intended Minors: Education and Statistics
University Honors Program — GPA: 3.94/4.0

Skills

- C/C++, Java, Python
- Git, GitHub, Postman, Jira
- HTML/CSS
- Ansible
- Agile & Scrum
- Cloud Environments

Coursework

- Object-Oriented Programming in C++
- Data Structures & Algorithms
- Algorithm Design & Analysis
- Computer Architecture
- Operating Systems
- Probability Theory and Statistics

Experience

Technology Intern, Wells Fargo — **June 2021 - August 2021**

- Interning with the Hybrid Cloud team within Technology Infrastructure
- Automated over 15 different Ansible metrics using the Ansible Tower API and pandas Python library
- Assisted the Women in Technology group in planning three networking and recruitment events for Grace Hopper

Engineering Intern, CloudKnox Security (Acquired by Microsoft in July 2021) — **August 2020 - May 2021**

- Created an API documentation page using Slate with Markdown, HTML/CSS, and Javascript that documented over 50 requests
- Worked successfully in an Agile environment and developed technical communication skills

Projects

PocketPT, TreeHacks, Stanford University — **February 2020**

- Created an app that uses deep learning to ensure patients do their physical therapy exercises properly
- Used the NVIDIA Jetson Nano Developer Kit and Python programming to train a neural network for accurate image classification
- Team selected as a top-eight finalist at hackathon, presented at closing ceremony to 1200 people, and won the NVIDIA Best Use of Jetson Prize and the overall Medical Access Grand Prize

Operating Systems Course Projects — **January 2021 - March 2021**

- The following projects were written in C and received scores of over 90% with grading based on functionality, coding style, and implementation
    - **Simple Shell:** Implemented basic functions of a shell using UNIX system calls
    - **User Level Thread Library:** Implemented a thread library that allows users to create, schedule, join other threads, and enable preemption
    - **File System:** Implemented FAT based file system software stack including ability to mount and unmount a formatted partition, read and write files, and create and remove files

Involvement

Co-President, Davis Women in Computer Science — **September 2019 - Present**

- Responsible for planning and executing events in partnership with companies and other campus organizations
- Increased member participation in events by 60% while adapting to virtual formatting of events