Ankush Vangari

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EDUCATION

University of California, San Diego – *Computer Science – B.S. (Graduation: Spring 2021)*
GPA: 3.7
Relevant Classes:

- Advanced Data Structures and Algorithms - C++
- Software Construction
- Automata and Formal Language
- Embedded Systems
- Discrete Structures
- Linear Algebra
- Single Variable Calculus
- Multivariable Calculus

TECHNICAL SKILLS

Highly Skilled Languages: C++, Java   **Proficient Languages:** C#, Python, Dart

Technologies: Linux, Git, MySQL, SQL, Oracle, Google Flutter, Unity, Android Studio, ASP.NET, Maven, Azure

EXPERIENCE

Beckman Coulter – *Software Engineering Intern*   July 2019 – September 2019

- Developed and designed 2 enterprise algorithms to parse incoming **Linux** logs of medical devices.
- Utilized and updated 10 **bash** scripts on **Redhat** Linux machines to send logs to the server more efficiently.
- **Slashed time delay by 30%** through creation of SQL command files to insert into **Oracle SQL Database**.
- Completed project in **half** the projected time. **Proposed** and **implemented** new project to display logs in a user-friendly interface.

L3 Networks – *Junior Software Developer*   September 2016 – June 2017

- **Led** the intern team to develop autonomous software to **store, detect patterns, and take action** on **log files**.
- **Saved the company weeks of work** by immediately revoking access to intruders and alerting management.
- Worked with **Cloud Computing** software, **ASP.NET**, and **SQL Server** on **Linux** and **Windows** environments, using **C#** and **Python**.

UCR – *Supplemental Instructor*   September 2018 - Present

- **Taught** and **mentored** 50+ students through **lectures** and programming demos by developing lesson plans.
- Worked in a **team** to collaborate resources on **Github** for students and instructors.
- Instructed historically difficult courses (Data Structures: **C++**) to aid students and facilitate active learning.

ACTIVITIES

- Boy Scouts of America – **Eagle Scout**
  - **Led** 50 people to fundraise and execute a **350 man-hour** Eagle Project to acquire the highest rank.
- Placed among the top 10% in **CyberPatriot** Semi-Finals
  - Continued to compete in **CTF** competitions to learn Cybersecurity (cryptography, reversing, web, etc.)
- **Mobile Development**
  - **Hungry** – Finds the best restaurants near you to help you and your friends make a decision right away.
  - Developed four mobile applications (games and non-games) with Google Flutter, Unity, and Android Studio.
- **Open Source Contributions**
  - Created a Search Bar **Plugin** and a **Trie** **library** for Google Flutter (Mobile Development Framework)
  - Developed an IP Notification **Plugin** for Octopi (3D Printer open source software)
- Built a **3D Printer** from scratch
  - Bought and assembled all hardware/software separately with no specific branding or kits.
  - 3D printed numerous parts of my 3D printer to cut down total costs.
- **Hackathons**
  - Cutie Hacks - **1st Place** - Developed online multiplayer Indian Poker game with a team of four. Used **Node.js** for server side.
  - HackPoly - Developed a mobile single player game using **Unity**.