Ankush Vangari

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EDUCATION

University of California, Riverside – *Computer Science – B.S. (Graduation: Fall 2020)*
Major GPA: 4.0 – Cumulative GPA: 3.8

Relevant Classes:

- Data Structures and Algorithms - C++
- Software Construction
- Machine Organization and Assembly Language
- Discrete Structures
- Linear Algebra
- Single Variable Calculus
- Multivariable Calculus

TECHNICAL SKILLS

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

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

EXPERIENCE

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

- **Led** a team of three to develop autonomous software from the ground up that **stores, detects patterns, and takes action** after **analyzing mass log files**.
- **Saved the company weeks of work** by immediately revoking access to intruders and alerting the appropriate person of suspicious activity in real time for further precautions.
- Worked with **Cloud Computing** software, **ASP.NET**, and **SQL Server** on **Linux** and **Windows** environments, using **C#** and **Python**.
- Created a website to display all logs from database, sorted by IP Addresses, time, error elevation, etc.
- Acquired this job by winning three consecutive competitions in the **IoT** Challenge hosted by the company.

UCR –*Supplemental Instructor*   September 2018 - Present

- Provide **instruction** and **guidance** to 50+ students in the form of **lectures** and programming demos by developing lesson plans. Work in a **team** to collaborate resources on **Github** for students and instructors.
- Instruct historically difficult Computer Science courses to aid students and facilitate active learning experiences.

Boy Scouts of America - *Eagle Scout*   February 2011 – March 2017

- Maintained **leadership** positions for four years and ran the troop as Senior Patrol Leader for one year (Two consecutive terms). Organized and participated in several community service projects and camps while learning survival skills.
- **Led** 50 people to fundraise and execute a **350 man-hour** Eagle Project to acquire the highest rank in Boy Scouts.

ABC Adult School - *Student Worker*   July 2016 – August 2016

- Setup computers for the adult school by remotely configuring and imaging about 200 computers with a team of six.
- Worked on enhancing firewall, security, and student restrictions and tested 3D printer.

ACTIVITIES

- Placed among the top 10% in **CyberPatriot** Semi-Finals
- **Mobile Development**
  - **Hungry** – Finds the best restaurants near you by utilizing a Euclidean Distance algorithm.
  - 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.
- **Hackathons**
  - Cutie Hacks - **1st Place** - Developed a web-based multiplayer game with a team of four. Used **Node.js** for server side.
  - HackPoly - Developed a mobile single player game using **Unity**.