

Anushka Saxena

Atlanta, Georgia • 678-865-2301 • anushka2@andrew.cmu.edu • anushkasaxena.me

EDUCATION

Carnegie Mellon University

Pittsburgh, Pennsylvania

Bachelor of Science in Electrical and Computer Engineering, College of Engineering

May 2023

Relevant Coursework: Fundamentals of Programming, Principles of Imperative Computing, Introduction to Electrical Engineering, Intermediate Rapid Prototyping, Introduction to Computer Systems, Introduction to Probability Theory

EXPERIENCE

Bank of America

Charlotte, North Carolina

Global Technology & Operations Analyst Intern

June 2020-August 2020

- Developed an investment research streaming platform and increased data transfer capacity to 50 MB with **Spring Boot MVC**, **Mule**, and **Apache Tomcat**
- Re-engineered the control and reporting system for the mission-critical enterprise application inventory in **Python SQLAlchemy** improving the reporting cadence from monthly to weekly
- Placed in the top 10 out of 200 groups for our Data Literacy Project for the best stock portfolio and data analysis using **Python** and **JupyterLab**

ScottyLabs

Pittsburgh, Pennsylvania

Director of Events

August 2019-Present

- Planning TartanHacks, Carnegie Mellon's largest hackathon sponsored by companies such as Microsoft and Facebook with over 400 attendees
- Leading Web Development Weekend, a series of educational workshops designed to introduce underclassmen to web dev skills such as HTML, CSS, JS, and React and more with over 50 attendees
- Developed SL Careers, a webpage to provide job, internship, scholarship, and research opportunities utilizing **React**, **Node.js**, and **Google APIs**

Robotics Institute

Pittsburgh, Pennsylvania

Undergraduate Research Assistant

January 2020-Present

- Designing and build a lunar rover of under 24 pounds under the Moon Ranger project to be sent to the Moon
- Running simulation on the Robot Operating System (ROS) to calculate navigation for the robot on **Ubuntu**
- Researching different path-finding algorithms such as A* search algorithms and implement them in simulations

PROJECTS

Levare

Remote

Web Development Volunteer

June 2020-August 2020

- Remotely developed an ecommerce website for a small POC-owned business in California using **Gatsby**, **GraphQL**, **Bootstrap**, **Google APIs**, and **Netlify CMS** to establish online presence
- Created tutorials on **Git workflow**, **command line**, **node package manager**, and deployment to guide over 90 programmers in software development

Robotics Club

Pittsburgh, Pennsylvania

Secretary

August 2019-Present

- Planning educational activities as part of the mentorship committee for over 20 underclassmen to teach them all about robotics, shop, 3D printing, laser cutting, electronics, **Arduino**, and programming
- Promoting the club on social media and assist other officers with administrative needs

Feed the Burghers

Pittsburgh, Pennsylvania

Co-Founder and Web Developer

September 2019-July 2020

- Developing a mobile application utilizing **React Native** and a website by **Bootstrap** to connect economically disadvantaged people in Pittsburgh to food sources willing to donate food by
- Partnering with five restaurants over 600 acres and working on our 501(c)(3) status

Other Involvement: BUILT BY GIRLS Ambassador (2020-Present), Rewriting the Code Fellow (2020-Present), Teaching Assistant for Rapid Prototyping Technologies and Intermediate Rapid Prototyping (2020-2021)

SKILLS

Computer Skills: Python, Java, C, HTML, CSS, JavaScript, React, Node.js, Gatsby, GraphQL, SQL, Git

Language Skills: Native Proficiency: English, Hindi, Working Proficiency: Spanish

Additional Experience/Interests: Full Stack Development, Machine Learning, Fintech, Space Robotics, Sustainability