Sumanth Aluri

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Education

Bachelor of Science in Computer Science Engineering *May 2022*

University of Florida, Gainesville, FL

Minor: Electrical Engineering

GPA: 3.9/4.0

Relevant Coursework

Data Structures	Programming 2 (Java)	Machine Learning
Computer Organization	Programming 1 (C++)	Software Engineering
Discrete Structures	Linear Algebra	Database Systems

Programming Languages

Java,	JavaScript	Dart	Arduino IDE	
C++,	Python,	Matlab		

Additional Skills

Flutter	Express	GCP	React JS	Node.js
Firebase	SQL	Github	TensorFlow	

Research Experience

Undergraduate Researcher in SMILE lab *Gainesville, FL* *December 2018 - Current*

- Working on a supervised machine learning project to identify pictures of eye disease
- Analyze data with Python and process Data with Matlab
- Technologies: MATLAB, python, TensorFlow

Projects

Consider Herbs web app *Gainesville, FL* *Spring 2020*

- Worked in an Agile team to design a React webapp for a local business
- Wrote code on all parts of the stack to handle everything from a component's representation in the database, routing, and representation on the UI.
- Technologies: Express, Mongo DB, React JS]pw

SwampHacks 2020 project *Gainesville, FL* *January 2020*

- Designed a crowd tracking system for Carnival cruise line, the company representatives were impressed and invited our team to come demo at their corporate office.
- Built an SQL database on Google's cloud platform to hold our data and a secure API to access it
- Helped make a front-end user interface using JavaScript React library.
- Technologies: GCP, Scikit, JS

Cross Platform app *Jacksonville, FL* *Summer 2020*

- Learned Dart and created a social multiplayer game that is a cross platform Android/iOS app.
- Used serverless services in Firebase to host the App's storage, database, and backend logic in the cloud.

Leadership

Team Leader of a Generational Relief in Prosthetics (GRiP) team *May 2018 – May 2020*

- Developing a prosthetic hand that is responsive to the movement of the user's muscles
- Designed a system to translate feedback from myoelectric(muscle) sensors to motor rotation
- Technologies: Arduino microcontrollers, sensors

Awards and Honors

College of Engineering Dean's Lis	Benequisto Scholarship Recipient
Undergraduate Research Scholars Program	National Merit Finalist