Subrajit Surendran
Computer Engineer

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SKILLS

C/C++
●●●●●

Python
●●●●●

HTML / CSS
●●●●●

Ruby on Rails
●●●●●

ReactJS
●●●●●

CI / CD and Agile Development
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Linux
●●●●●

Java
●●●●○

JavaScript
●●●●○

Assembly Language
●●●●○

Circuit Design
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EDUCATION

B.S in Computer Engineering
Texas A&M University

08/2018 - 08/2022   *GPA: 3.13 / 4*

Relevant Courses

☐ Software Engineering   ☐ Data Structures and Algorithms

WORK HISTORY

Teaching Assistant
Texas A&M University

08/2020 - 12/2021   *College Station, TX*

Courses: Python Computation, Physics Lecture - Electricity and Magnetism, Engineering Lab - Mechanics

Achievements/Tasks

☐ Coordinated grading with instructor and monitored progress of students across 3 courses

☐ Identified proper procedures in completing coursework and provided one-on-one assistance during the semester to students with concerns over course content

PROJECTS

ASLA Tracker Website (01/2022 - 05/2022)
☐ Worked in an agile environment and used Ruby on Rails to develop website for the American Society of Landscape Architects student organization with Ruby on Rails.

Illuminate Smart Glasses (01/2022 - 05/2022)
☐ Illuminate is a cost-efficient wearable device that could help alleviate problems for those with auditory impairments. In this project, I enabled real-time speech-to-text translation through socket programming and asynchronous framework in Python.

H.O.R.S.E Basketball Simulator (10/2021 - 12/2021)
☐ A useful tool for anyone who enjoys playing arcade-style basketball mini-games. Three primary objectives of this project: detect that a shot is made/missed, detect the distance a player is shooting from, and log scores during the game. I incorporated machine learning modules in Python to determine a player's position and when they have taken a shot.

MarketVision (04/2021 - 05/2021)
☐ Developed a financial web application using REST API data to provide live price updates and other useful information about stocks, cryptocurrencies, and NFTs.

Restaurant Database/GUI (02/2021 - 03/2021)
☐ Developed a restaurant point-of-sale system accommodating both customers and managers with a PostgreSQL database and Java-driven GUI.

ORGANIZATIONS

Society of Asian Scientists & Engineers (08/2018 - 05/2019)
Member - Contributed to Texas A&M and Bryan-College Station area through community service

Aggie Coding Club (08/2019 - 05/2020)
Member - Completed framework of a Micro-Mouse self-navigating robot with a team of ACC members

HONORS

Craig and Galen Brown Honors Engineering Student (08/2019 - 05/2021)

National Honor Society (04/2018 - Present)
Demonstrated excellence in areas of scholarship, service, leadership, and character

National Technical Honor Society (04/2018 - Present)
Demonstrated academic achievement in career and technical education