

Rushnan Alam

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| Github: <https://github.com/tash1629>

Education

University of California, Berkeley

Expected Graduation: May 2023

Electrical Engineering and Computer Science, BS

GPA: 3.65

Relevant Coursework: Database Systems (In Progress), Discrete Mathematics and Probability (In Progress), Data Structures and Algorithms, Computer Architecture, Designing Information Devices and Systems, Structure and Interpretation of Computer Programs, Object Oriented Programming using Java and C++

Technical Skills: Proficient with Python, C++, Java, Android Studio, Arduino, SQL

Professional Experience

SureCash – Dhaka, Bangladesh

Sept 2018 - Jan 2019

Software Engineer Intern

- Designed Admin Panel and developed KanBan development methodology on Django as part of the WebService back-end team.
- Improved requirement analysis by identifying and rectifying bugs.
- Optimized website for development on different operating systems and devices.
- Learned source code management and Version Control System (i.e git, GitHub).

Projects

Job Posting Android Mobile App (Android Studio)

June 2021

- Created search engine that allows users with poor eyesight to search for jobs using voice commands supported by the TTS library.
- Refresh and web scrape LinkedIn to view the company name, job title, job area, and company logo in a CardView.
- Clicking on CardView converts text job information to speech using TTS library.
- Long holding CardView lets user choose jobs and share the job links.

Robot Car

May 2021

- Built a robot car that moves forward, left, and right through noise commands.
- Built data collection apparatus, collect data, and learn data using Arduino, Python, Classification, PCA, and Linearization techniques, and deploy model in the real world.

Music Website

May 2019

- Website created on Django lets user log in through login page built manually and create personalized music playlists.
- Playlists display artist name, album name, song name, and artist picture.
- Songs and albums are clickable and redirect to their respective YouTube pages.

Leadership Experience

University of California, Berkeley – Berkeley, CA

August 2021 - Present

Academic Student Employee, EECS Department

- Assist students in lab for the Designing Information Devices and Systems II (EECS 16B) class and facilitate their understanding of crucial circuit and machine learning concepts.

Berkeley City College – Berkeley, CA

August 2019 - June 2020

Student Tutor

- Assisted students one-on-one and in groups to identify gaps in knowledge of Calculus concepts and address weaknesses.

Other Skills & Interests

Language: English (Fluent), Bengali (Native), Hindi (Conversational)

Extracurricular Activities: UC Berkeley IEEE Club, HackIllinois 2019, MHacks 2019, CodeDay Hackathon 2019, 50+ hours of community service