RAHUL ARASIKERE

Software Developer

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EDUCATION

9/2018 – 5/2022 ongoing
Bachelor's Degree in Computer Science — **Boston University**
CGPA: 3.14/4.0.

EXPERIENCE

5/2021 – present
Software Engineering Intern — **Shell Techworks**
Working on developing a real time hydrogen refueling station as part of the renewable energy commitment by shell.
`FreeRTOS / Embedded - ARM / C`

6/2020 – 8/2020
Data Science Intern — **Simplify360**
Worked on automated text tagging and classification based on the clients' requirements to interface with their B2B systems.
`NLP / Pytorch`

6/2019 – 8/2019
Data Science Intern — **Remidio Innovative Solutions Pvt. Ltd.**
Developed an automated pipeline for detection of age-related macular degeneration in fundus images captured from Remidio's telematic platform. Model achieved 82% accuracy over 3200 images of various qualities. The model was based on Resnet18.
`Python / Keras / Pytorch`

6/2018 – 7/2018
Intern — **Spectral Insights**
Worked with a team of 2 – 3 people in implement AI on top of digital images of renal biopsies to automatically detect glomeruli and display it on the screen to the doctor. Gained technical insight and experience as to how professional companies' function.
`C++ / OpenCV / Linux`

PROJECTS

3/2021 – 5/2021
Student — **BU Spark!**
Researched the feasibility of utilizing Linux Industrial IO subsystem on Intel processors.
`C / Linux`

7/2020 – 12/2020
Student
Developed an interpreter as well as a C code generator for lambda calculus in ATS.

5/2020 – 8/2020
Software Developer — **XRTerra AR VR Developer Cohort**
Worked within a team of 5 to develop various AR and VR projects for clients such as PTC and Packet39. Developed a crane training VR simulator and note taking app that utilized spatial anchors, allowing engineers to tag virtual notes in real life.
`Unity / Unity MARS / C# / Azure`

1/2020 – 5/2020
Software Developer — **BU SPARK! Fellowship Program**
Worked with a team of 7, to develop a tab management system for students and scholars to research more productively online. 100% of users felt an increase in their productivity and motivation during user research and surveys. Awarded Best Idea and Best Design on SPARK Demo day.
`JavaScript / React / Firebase`

9/2018 – Present
Software Developer — **Boston University Rocket Propulsion Group**
Lead and developed a concurrent socket based data acquisition software for custom test stands. Developing RTOS based flight computer firmware for sub-orbital launch vehicle. Worked on telemetry modules using LoRa. Maintained legacy code bases written in Java.
`Arduino / C / Python / FreeRTOS / Java`