

RAHUL ARASIKERE

Software Developer



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EDUCATION

9/2018 – 5/2022 ongoing	Bachelor's Degree in Computer Science CGPA: 3.07/4.0.	Boston University
2018	CBSE 12th 93%.	Sindhi High School Hebbal
2016	ICSE 10th 87%.	Vidya Niketan School

EXPERIENCE

6/2020 – 8/2020	Data Science Intern Worked on automated text tagging and classification based on the clients' requirements to interface with their B2B systems. NLP / Pytorch	Simplify360
6/2019 – 8/2019	Data Science Intern 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	Remidio Innovative Solutions Pvt. Ltd.
6/2018 – 7/2018	Intern 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	Spectral Insights
5/2018 – 6/2018 freelance	Web Developer Revamped the current corporate website and migrated it to WordPress. Learned SEO and making a website more visible on search engines. PHP / WordPress / MySQL / SEO	Mansha Vacuum Technologies Pvt. Ltd.

PROJECTS

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 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	XTerra AR VR Developer Cohort
1/2020 – 5/2020	Software Developer 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	BU SPARK! Fellowship Program
9/2018 – Present	Software Developer 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	Boston University Rocket Propulsion Group