

WORK EXPERIENCE			
Amazon.com Software Developer Engineer Intern	<ul style="list-style-type: none"> Identified a drop in requests in the team's system and was the primary developer that worked on implementing an architectural change to mitigate this drop in requests. Implemented Dashboards that captured and displayed service metrics across all services within the team. Took the responsibility of being on-call for the team for a total of 4 times where I was put in charge of resolving issues that the team received from various stakeholders. Collaborated and worked with different teams split across the world mainly in Dubai and Jordan. Demonstrated abilities consistent with Amazon's Leadership Principles such as Bias for Action and Ownership for which I received accolades within the larger organisation I worked in. Also wrote close to 3000 lines of code and contributed to the team's overall growth. Tech Stack Used: <i>Kotlin, AWS Lambda, AWS CDK, AWS VPC and other services within AWS</i> 	Jul 2023 - Dec 2023	
Indian Red Cross Society Intern	<ul style="list-style-type: none"> Developed a back-end application for the organisation for calculating expenses and revenue received/owed for an initiative of theirs. Tech Stack Used: <i>Django, React</i> 	Jun 2022 - Jul 2022	
ACADEMIC DETAILS			
B.E. (Hons.) Electronics and Instrumentation	BITS Pilani - Goa Campus	8.02 CGPA	2024
Andhra Pradesh Board of Intermediate Education (BIEAP) (CLASS XII)	FIITJEE JUNIOR COLLEGE, VISAKHAPATNAM	8.84 CGPA	2020
ICSE (CLASS X)	BETHANY SCHOOL, VISAKHAPATNAM	86.2 %	2018
PROJECTS			
A Completely Distributed Circuit Framework Using 410c SoC	<ul style="list-style-type: none"> Under the guidance of Prof K.R Anupama, the goal of the project was to offload tasks and workload to other computing services in the same network. Wrote code to deliver results on the paper's proposed algorithm for distributing load and tasks to other nodes in the system. The paper along with our corroborated results was accepted in the WMSCI 2023 Conference. 	Aug 2023 - Dec 2023	
Kernel Driver	<ul style="list-style-type: none"> Implemented a new system call in the Linux kernel that added two floating point numbers that can be invoked from the user space via C. Implemented and registered a kernel device driver that took a touch pad and responded to movement on the touch pad. Implemented a fair share algorithm that involved scheduling/picking jobs for CPU execution according to the groups and weights assigned for each job at each decision point. 	Mar 2023 - Mar 2023	
Code Share	<ul style="list-style-type: none"> A URL shortening application for code snippets that supports code language detection via VS Code's Language Detection API. Users have to sign in to persist the shortened URLs for a longer time. Has a cron job that runs every day at midnight purging links that were created without user sign in. Tech Stack: <i>Node.js, PostgreSQL</i> 	Jul 2022 - Aug 2022	
POSITIONS OF RESPONSIBILITY			
Sandbox Committee Member Sandbox BITS Goa	<ul style="list-style-type: none"> Was part of the student led management committee that maintained the incubation centre of our university which helped around 400 students in our university. We were responsible of maintaining the various equipment the lab had to offer such as 3D printers, laser cutters and a plethora of other equipment for using in mechatronic related projects such as drones robots etc. 	Mar 2022 - Jan 2023	
Senior Software Developer Devsoc, BITS Goa	<ul style="list-style-type: none"> Worked mostly on back-end development for CSA Times and Melange, applications that were used by majority of the student community. Tech Stack Used: <i>Node.js, Typescript, PostgreSQL, MongoDB</i> 	Jan 2021 - Sep 2022	
BASIC INFORMATION			
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