

WORK EXPERIENCE			
<b>Amazon.com</b> Software Developer Engineer Intern	<ul style="list-style-type: none"><li>Identified a drop in requests in the team's system and was the <b>primary developer</b> that worked on implementing an architectural change to mitigate this drop in requests.</li><li>Implemented Dashboards that captured and displayed service metrics across all services within the team.</li><li>Took the responsibility of being <b>on-call</b> 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.</li><li>Collaborated and worked with different teams split across the world mainly in Dubai and Jordan.</li><li>Demonstrated abilities consistent with Amazon's Leadership Principles such as <b>Bias for Action</b> and <b>Ownership</b> for which I <b>received accolades</b> within the larger organisation I worked in. Also wrote close to 3000 lines of code and contributed to the team's overall growth.</li><li><b>Tech Stack Used:</b> <i>Kotlin, AWS Lambda, AWS CDK, AWS VPC and other services within AWS</i></li></ul>	Jul 2023 - Dec 2023	
<b>Indian Red Cross Society</b> Intern	<ul style="list-style-type: none"><li>Developed a back-end application for the organisation for calculating expenses and revenue received/owed for an initiative of theirs.</li><li><b>Tech Stack Used:</b> <i>Django, React</i></li></ul>	Jun 2022 - Jul 2022	
ACADEMIC DETAILS			
<b>B.E. (Hons.)</b> Electronics and Instrumentation	BITS Pilani - Goa Campus	<b>7.69 CGPA</b>	2024
<b>Andhra Pradesh Board of Intermediate Education (BIEAP) (CLASS XII)</b>	FIITJEE JUNIOR COLLEGE, VISAKHAPATNAM	<b>8.84 CGPA</b>	2020
<b>ICSE (CLASS X)</b>	BETHANY SCHOOL, VISAKHAPATNAM	<b>86.2 %</b>	2018
SUBJECTS			
Electives	Operating Systems, Object Oriented Programming, Business Communication		
Technical Proficiency	Node.js, Database Systems, Data Structures, Dependency Injection, PostgreSQL, Go (Programming Language), Rust, TypeScript		
PROJECTS			
<b>A Completely Distributed Circuit Outlet Framework Using 4101 SoC</b>	<ul style="list-style-type: none"><li>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.</li><li>Wrote code to deliver results on the paper's proposed algorithm for distributing load and tasks to other nodes in the system.</li><li>The paper along with our corroborated results was accepted in the <b>WMSCI 2023 Conference</b>.</li></ul>	Aug 2023 - Dec 2023	
<b>Kernel Driver</b>	<ul style="list-style-type: none"><li>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.</li><li>Implemented and registered a kernel device driver that took a touch pad and responded to movement on the touch pad.</li><li>Implemented a <b>fair share algorithm</b> that involved scheduling/picking jobs for CPU execution according to the groups and weights assigned for each job at each decision point.</li></ul>	Mar 2023 - Mar 2023	
<b>Code Share</b>	<ul style="list-style-type: none"><li>A URL shortening application for code snippets that supports code language detection via VS Code's <b>Language Detection API</b>.</li><li>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.</li><li><b>Tech Stack:</b> <i>Node.js, PostgreSQL</i></li></ul>	Jul 2022 - Aug 2022	
POSITIONS OF RESPONSIBILITY			
<b>Sandbox Committee Member</b> Sandbox BITS Goa	<ul style="list-style-type: none"><li>Was part of the student led management committee that maintained the incubation centre of our university which helped around 400 students in our university.</li><li>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.</li></ul>	Mar 2022 - Jan 2023	
<b>Senior Software Developer</b> Devsoc, BITS Goa	<ul style="list-style-type: none"><li>Worked mostly on back-end development for <b>CSA Times</b> and Melange, applications that were used by <b>majority of the student community</b>.</li><li><b>Tech Stack Used:</b> <i>Node.js, Typescript, PostgreSQL, MongoDB</i></li></ul>	Jan 2021 - Sep 2022	
BASIC INFORMATION			
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