

Mausam Parajuli

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SUMMARY

Dedicated and enthusiastic recent graduate with an extensive foundation in the software development lifecycle, proficiency in Java, and a strong grasp of OOP, design patterns, and agile methodologies. Graduated in the top 5% of my class, I bring a growth mindset and a diverse skill set cultivated through challenging software development projects to contribute as a Software Engineer to your dynamic team.

SKILLS

Languages: Java, Python, HTML5, CSS, JavaScript, Object-Oriented Programming

Frameworks/Libraries: React.Js, Node.Js, Nest.Js, Next.Js, Spring, Bootstrap

Technical: MongoDB, SQL, Git, Docker, Linux, Jira, MS Office

EDUCATION

Jacksonville State University

Jacksonville, AL

MS in Computer Systems and Software Design (GPA: 3.9)

Graduation Date: Dec 2023

WORK EXPERIENCE

Jacksonville State University

Jacksonville, AL

Graduate Research Assistant

Aug 2022 - Dec 2023

- Recognized with "**The Best Presenter Award**" for presenting research on Docker's performance on RPi models, demonstrating strong communication skills essential for collaborative software engineering.
- Conducted empirical tests on 5 RPi models by creating **Bash** and **Python** scripts to evaluate containers critical performance factors, resulting in optimized systems with improved efficiency and responsiveness.
- Assessed CPU, memory, disk, and network TCP/UDP throughput benchmarks, achieving a 60% time savings through systematic evaluation compared to manual execution methods.
- Configured hardware equipment, including single-board computers and routers, to proactively identify and resolve any technical issues, ensuring an uptime of 99% for experiments.
- Published Research Papers: **Performance Evaluation of the Docker Technology on Different Raspberry Pi Models**, Conference, 2023 | **Performance Evaluation of the KVM Hypervisor Running on ARM-Based Single-Board Computers**, Journal, 2023

idTech

Campbell, CA

Summer Intern

May 2022 - Aug 2022

- Spearheaded hands-on projects, creating games and apps with **JavaScript**, **Java**, and **Python**, fostering a dynamic learning space, and achieving a 96% satisfaction rate.
- Guided 100+ aspiring software engineers, tracking progress and maintaining records to foster collaborative skills vital for successful software engineering projects.

PROJECT EXPERIENCE

Park-A-Lot

Oct 2023

Project Lead

- Led a dynamic team of 5 in the development of a web-based parking system, optimizing parking space tracking and management for enhanced efficiency and user experience.
- Successfully implemented agile methodologies to streamline project workflow and enhance adaptability, resulting in a 50% reduction in management time.
- Collaborated with the client to deliver regular progress reports, ensuring a 100% client satisfaction rate.
- Technology used: **React.JS**, **Nest.JS**, **MySQL**, **Swagger**, **Postman**, **GitHub**, **Jira**