

# Mausam Parajuli

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## SUMMARY

Dedicated and enthusiastic recent graduate with an extensive foundation in the software development lifecycle, proficiency in React, 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 web development projects to contribute as a Software Engineer at XYZ.

## 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

**My-Portfolio**

*Feb 2024*

[Live Demo](#)

- Developed a responsive portfolio using React JS to showcase background, skills, and services offered.

**Park-A-Lot**

*Oct 2023*

*Project Manager*

- Led a team of 5 in developing a React-based parking system, reducing management time by 50%.
- Collaborated with the client to deliver regular progress reports, ensuring a 100% client satisfaction rate.