# 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.