Mausam Parajuli

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EDUCATION

Jacksonville State University   **Jacksonville, AL**
MS in Computer Systems and Software Design   *Expected Graduation Date: Dec 2023*
- Organizations/Awards: President of AlgoSolvers Club, President's List.

Jacksonville State University   **Jacksonville, AL**
*BS in Computer and Information Sciences (**GPA: 4.0**, Minor: Mathematics)*   *Graduation Date: May 2022*
- Organizations/Awards: Computer Science Club, Ambassador, Senator, International Student Organization, International House and Programs, Summa Cum Laude Honor, Academic-Merit Prestige, Anniston Rotary Scholar, President's List, Dean's List.
- Awarded "***Best of Showcase***" among 50 participants for presenting research on "Using Z3 Constraint Solvers to Solve Systems of Equations and Puzzles" at Jacksonville State Annual Symposium 2022.

WORK EXPERIENCE

Jacksonville State University   **Jacksonville, AL**
Graduate Teaching and Research Assistant   *Aug 2022 – Present*
- Research focuses on ***Performance Evaluation of Docker and LXC/LXD Containerized Virtualization.***
- Past Research on ***Performance Evaluation of Single Board Computers as Hypervisors Using Kernel-Based Virtual Machines.***
- Instruct "***Introduction to Information and Technology***" course to undergraduate students.

Internal Drive Tech   **Campbell, CA**
Summer Bootcamp Instructor   *May 2022 - Aug 2022*
- Conducted structured, week-long sessions to guide students through proprietary skill development systems by getting them involved in real projects like creating games and apps.
- Assisted 100+ students to create games and apps using ***JavaScript***, ***Java***, and ***Python*** and maintained their records to address areas of improvements which translated to a student satisfaction rating score of 96%.
- Courses: ***Coding Bootcamp with MIT, Coding Games with JavaScript, Python Coding: Arcade Games and AI.***

Jacksonville State University   **Jacksonville, AL**
Java Supplemental Instructor   *Jan 2019 – May 2022*
- Developed Java lesson plans to increase student comprehension by 33%.
- Awarded "***Supplemental Instructor Leader of the year 2021***" for promoting student participation by 30% through Collaborative Learning Tools and strategies.

PROJECTS

Park-A-Lot
Project Manager   *Aug 2022 – Oct 2022*
- Designed and developed a web-based system to track and manage a parking garage and allow customers to find and reserve available parking spaces.
- Used ***React JS*** for frontend development and connected to a ***MySQL*** databased hosted on ***NestJS*** server.
- Created 10+ reports and presented to the client, resulting in 100% satisfactory.

Time and Attendance System
Developer   *Apr 2022 – May 2022*
- Enhanced company's time and attendance system by 64% by implementing clock in, clock out and payroll feature.
- Technology used: ***Java***, ***MySQL***.

SKILLS

Technical Skills: Java, Python, C++, HTML, CSS, JavaScript, React JS, Node JS, Bootstrap, NestJS, MySQL, Game Maker Language, Agile Scrum, Z3, Docker, Podman, Linux, Shell, KVM, VMWare, Virtual Box, GitHub, Jira, MS Office.

Soft Skills: Leadership, Communication, Teamwork, Problem-Solving, Planning and Organization, Adaptability.