Muhammad Murtaza Husain

🌐 [PASTE WEBSITE URL](#)   in [www.linkedin.com/in/ murtaza-husain-usa](#)   ⌂ [https://github.com/Murtazah1](#)

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Experience

Infrastructure Services Intern   Feb 2023 - Present
Marathon Oil   *Houston, Texas*
- Assisted in managing and monitoring Marathon Oil's large scale Linux server environment, overseeing hundreds of servers using open-source monitoring tools to ensure optimal performance and reliability.
- Assisted in the installation, configuration, and routing of data center switches. Enhancing network performance and data throughput in the Marathon Oil Server environment.
- Administered a Red Hat Enterprise Linux server using Linux command-line tools along with automating tasks using bash scripts
- Completed AWS training, enhancing cloud computing expertise and understanding of scalable infrastructure solutions.

Projects

Amusement Park Database Website | *HTML/CSS/JS PHP*   Spring 2023
- Led a team of 4 in developing a full-stack mock website simulating typical features of an amusement park site, including ticket reservations and visitor information management.
- Utilized LAMP architecture (Linux, Apache, MySQL, PHP) for seamless integration between the front-end and a PHP based back-end, connected to an Oracle database.
- Implemented multi-user management to enhance security and ensure controlled access.

Data Analysis and Machine Learning for Heart Failure Prediction | *NumPy, Scikit-learn, Pandas, Seaborn*   Spring 2024
- Analyzed the correlation between various features in a dataset and heart failure risk using statistical methods (mean, median, mode), visualized with Python libraries such as Seaborn.
- Processed and manipulated data using Python tools including Numpy and Pandas, ensuring clean and actionable datasets.
- Developed and evaluated multiple supervised learning models to predict heart failure, utilizing advanced machine learning algorithms to enhance predictive accuracy
- Achieved .8 accuracy with logistic regression and .76 accuracy with SVM radial kernel

Psychology Practice Website | *Next.js*   Spring 2024
- Collaborated in a team of 4 to develop a dynamic psychology website using Next.js, delivering a high-performance and user friendly experience
- Implemented optimized routing and seamless navigation, enhancing user engagement through efficient page loading and modern web design principles
- Built with HTML/CSS/Next.js and hosted on Microsoft Azure for scalability and reliable performance.

Education

University of Houston   Dec 2024
Bachelor of Science in Computer Science, Minor in Math 3.84   *Houston, Texas*
- COSC 4353 - Software Design, COSC 4351 - Fundamentals of Software Engineering, COSC 3360 - Fundamentals of Operating Systems, COSC 3320 - Algorithms and Data Structures, COSC 3380 - Database Systems, COSC 3337 - Data Science, COSC 4377 - Introduction to Computer Networks, COSC 4393 - Digital Image Processing

Technical Skills

Languages: C, C++, C, Python, HTML/CSS/JS, PHP, React/Node/Next.js, Django, .NET, PowerShell
Technologies: Bash, Git/Github, AWS, Azure, Oracle Cloud Infrastructure, Red Hat Linux, Oracle Virtual Box, VMware ESXi, MS Windows Server 2008/2012/2016/2019, SQL Developer, PuTTY, Docker
Relevant Concepts: Cloud Computing, Virtualization, Agile, Scrum