Ibraheem Qureshi

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WORK EXPERIENCE

Marsico Institute

Web Developer   October 2023 - June 2024

- Fulfill essential web development tasks for the Institute's website, such as verifying external developer work, fixing code errors, and applying HTML, CSS, and JavaScript expertise to enhance website design.
- Apply knowledge of back-end technologies such as PHP, SQL, and server management to ensure the web-site's smooth functioning and security.
- Collaborate with a team of third-party web developers to ensure the smooth integration and optimization of the institute's website, resulting in an increase in online traffic and customer engagement.

EDUCATION

University of Florida

Master of Science - Computer Science   August 2025 - May 2027

University of Denver

Bachelor of Science - Computer Science - 4.0   September 2020 - June 2024

- 1st Minor: Mathematics (GPA: 4.0)
- Latin Honors: Summa Cum Laude
- 2nd Minor: Geographic Information Science
- Institutional Honors: Summa Cum Laude
- Academic Achievement: Dean's List, Overall GPA: 3.91
- Relevant Courses: Software Engineering I, Database Organization and Management, Computer Security, Web Programming II

PROJECTS

Gulf Hurricanes Database   September 2023 - November 2023

- Led in-depth analysis of historical hurricane data in the Gulf Coast, assessing flood vulnerability and impacts on population centers and critical infrastructure, utilizing advanced GIS techniques for comprehensive spatial and temporal pattern study.
- Implemented a user-friendly geodatabase accessible via PostgreSQL, enabling efficient data queries and insightful visual analysis using ArcGIS Pro.

Real Estate Price Prediction And Investment Analysis   March 2023 - June 2023

- Developed a real estate price prediction project using Python and Agile methodology, leveraging data visualization libraries like Seaborn, Matplotlib, and Pandas.
- Gathered and processed historical real estate data from the Zillow API and public datasets, followed by comprehensive exploratory data analysis, regression model training, and performance evaluation.
- Performed investment analysis to pinpoint profitable opportunities in the housing market.

Dead Analysis and Carving   March 2023 - March 2023

- Developed a data carving tool in Python to extract GIF, JPG, and PNG files from raw disk images using a state machine approach for structured multi-pass scanning.
- Performed forensic analysis on Linux-based drive images (VMDK, VDI) using loopback mounting to identify and extract hidden files containing specific embedded strings.
- Automated workflows with Bash scripting for efficient file processing, forensic investigation, and structured reporting, leveraging Linux command-line utilities.

SKILLS

- Programming Languages: Fluent - Python, Java; Intermediate - C, SQL, JavaScript; Beginner - C++
- Technologies: Visual Studio Code, Drupal, Git, SiteGround, CodeIgniter, Linux, Bash
- Soft Skills: Collaboration, Time Management, Problem-Solving, Communication