Haris Asghar

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Education

LAHORE UNIVERSITY OF MANAGEMENT SCIENCES (LUMS)   Lahore, PK
Computer Science. GPA 3.58   Sept 2020 - May 2024
Relevant Coursework: Dean's List Honoree (2021)

Projects

- **Research Assistant** - ChatPDF for the ML and AI community with conversational paper interaction, literature recommendations, and improved discovery.
- **Employee Attendance and Leave Management (DevSinc)** - Tracking attendance and leave, enhancing productivity, reducing errors with user-friendly interfaces and advanced monitoring tools.
- **Interactive Online Keyboard for Children's Education** - Utilizing a visual keyboard interface and canvas drawing capabilities to facilitate online teaching for teachers, enabling interactive learning experiences for children.
- **Online Rang Game Platform -** Implementing a user-friendly design and utilizing sockets to enable up to four players to play Rang Game together in real-time.
- **Crypto Stock Market Predictor using Tweets** - Explored correlation between Twitter sentiment and cryptocurrency price fluctuations.
- **Dashcam Footage Analysis and Visualization Project -** Employing ground segmentation and top-view generation methods to enhance the interpretation and presentation of dashcam footage for improved analysis and understanding the challenges related to autonomous driving.
- **Authorship Attribution Using Machine Learning** - Implemented machine learning for accurate author identification based on writing styles.

Experience

ASIA INSURANCE COMPANY   Lahore, PK
Web Dev Intern   Summer 2022
- o Overhauled company's website. Efficiently coordinated and managed the company's form activities.

LAHORE UNIVERSITY OF MANAGEMENT SCIENCES (LUMS)   Lahore, PK
Research Assistant   Sept 2022 – May 2024
- o Researched and analyzed the impact of optimized image formats like WebP versus unoptimized alternatives on website performance. **(Dr. Ihsan Ayyub Qazi)**
- o Examined 50 Pakistani public service websites' landing and internal pages with Google's Lighthouse metrics to pinpoint performance enhancement possibilities. **(Dr. Ihsan Ayyub Qazi)**
- o Generated a detailed dataset cataloging Lahore's entire flora, collaborating on collection methodologies, accuracy, geographic mapping. **(Dr. Agha Ali Raza)**

Teaching Assistant   Sept 2022 – May 2023
- o CS100 - Introduction to Programming, CS210 - Discrete Mathematics, CS334 - Data Science.

Leadership & Activities

LAHORE UNIVERSITY OF MANAGEMENT SCIENCES (LUMS)   Lahore, PK
Peer Ambassador   May 2022 – May 2023
- o Mentored incoming students transitioning to university life. Provided guidance and support to help new students organize their workflow and navigate university courses effectively.

LUMS DATA SCIENCE SOCIETY   Lahore, PK
Director of Research Department   Sept 2022 – May 2023
- o Tracked data science advancements, while optimizing resource management and refining operational processes for heightened efficiency.

INDEX (The Design and Innovation Society at LUMS)   Lahore, PK
Director of IT Department   Sept 2021 – May 2022
- o Led the department, organized skill-enhancing web development workshops, created a 3D Virtual Art Gallery for LinePlusFill Art Exhibition, and managed websites for UX Pakistan (2021), YDF, and LDF, ensuring top-notch user experience.

Skills & Interests

Skills: ML/AI, Python, JavaScript, C, C++, React, Full Stack Development, WordPress, MATLAB, Excel, CAD & 3D Modeling
Interests: Cricket, VODs, E-Sports, Web Designing