

Jibran Ahmed Khan

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EDUCATION

Luther College, Decorah, IA

Bachelor of Arts in Data Science & Business Management

January. 2021 – December 2024

TECHNICAL SKILLS

Languages: Python, R, SQL, HTML/CSS

Machine-Learning Libraries: Pandas, NumPy, Scikit-Learn, Matplotlib, Plotly, Seaborn, OpenSlide, PyTorch

Software's & Tools : Git, Microsoft Office Suite, Tableau, Power BI, Adobe Photoshop, Adobe Premiere Pro

WORK EXPERIENCE

Artificial Intelligence intern

February 2023 – January 2024

Mayo Clinic

Rochester, MN

- Developed a multi-modal search and matching technique using Large Language Models (LLMs), aimed at integrating Whole Slide Images (WSI) with text reports to enhance search and matching accuracy
- Conducted data cleansing and analysis to uncover patterns between text and images, leveraging advanced machine learning and visualization techniques, and presented weekly insights to supervisors and colleagues
- Collaborated with lab members to conduct benchmark analyses on cutting-edge histopathology search engines using both public and Mayo Clinic datasets, producing comparative studies to assess performance and contributing to a research paper on the findings
- Managed complex research challenges and sharpened problem-solving abilities, while contributing towards innovative solutions in a fast-paced research environment

Data Analyst Intern

May. 2022 – July 2022

Global Emergency Response Assistance (GERA)

Paterson, NJ

- Managed data wrangling process, including cleaning, processing, and organizing historical donor data for GERA
- Utilized different data visualization techniques to transform numerical data into graphs, tables, and charts, contributing to the development of a targeted strategic plan aimed at enhancing donor engagement and acquisition
- Collaborated with the team to plan and organize fundraising events, raising \$10,000 in donations

Student Technician

January 2022 – Present

Luther College

Decorah, IA

- Resolve 500+ tickets by assisting faculty/staff in troubleshooting digital media challenges on campus
- Assist in operation and scheduling of one-button studio, streamlining video production process for users with varying levels of technical expertise
- Record and edit 10+ campus events for use by host organizations.

Resident Assistant

August 2022 – February 2023

Luther College Residence Life

Decorah, IA

- Led a team of 40+ undergraduate students in residential living, addressing concerns and inquiries effectively
- Served as the primary contact for emergencies, successfully resolving conflicts, and ensuring residents' compliance with college policies
- Collaborated in planning and executing community-building events and educational programs, fostering a holistic living environment for all residents

PUBLICATIONS

Co-author

February 2023 – January 2024

- Analysis and Validation of Image Search Engines in Histopathology (View in PDF)
- Rotation-Agnostic Image Representation Learning for Digital Pathology (View in PDF)
- Foundation Models for Histopathology—Fanfare or Flair (View in PDF)
- Selection of Distinct Morphologies to Divide & Conquer Gigapixel Pathology Image (View in PDF)