Jibran Ahmed Khan

Decorah, IA | khanji01@luther.edu | +563-313-2495
http://www.linkedin.com/in/JibranAkhan | https://github.com/khanji0

WORK EXPERIENCE

AI Researcher | Mayo Clinic, Rochester, MN   **February 2023 - January 2024**
- 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 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 | Global Emergency Response Assistance (GERA), Paterson, NJ   **May 2022 - July 2022**
- 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 | Luther College Multimedia Center, Decorah, IA   **January 2022 - Present**
- 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 | Luther College Residence Life, Decorah, IA   **August 2022 - February 2023**
- 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 AND PROJECTS

Co-author | Kimia Lab, Mayo Clinic
- Analysis and Validation of Image Search Engines in Histopathology.
- When is a Foundation Model a Foundation Model.
- Rotation-Agnostic Image Representation Learning for Digital Pathology.
- Selection of Distinct Morphologies to Divide & Conquer Gigapixel Pathology Image.

Ad Click Prediction Project   **View in GitHub**
- Developed a machine learning algorithm to predict ad click likelihood, integrating EDA and logistic regression to enhance predictions and assess accuracy.

Movie Recommendation System Project   **View in GitHub**
- Designed and implemented an unsupervised movie recommendation system utilizing cosine similarity to recommend movies similar to user preferences, based on textual tags associated with each film.

EDUCATION

Bachelor's Degree - *Data Science & Business Management*   **January 2021- December 2024**
Luther College, Decorah, IA

SKILLS

Python | R | SQL | Pandas | NumPy | Scikit-Learn | Matplotlib | Plotly | Seaborn | OpenCV | OpenSlide | PyTorch | Microsoft Office Suite | Tableau | PowerBI | AWS | GenAI | LLMS | Communication | Leadership | Time Management | Teamwork Problem-Solving