

ANJUM AFROOZ SHAIK

GRADUATE STUDENT

+1 (980)-309-9953

✉ anjumafrooz786@gmail.com

📍 Houghton, Michigan 49931

CAREER OBJECTIVE

Current graduate with a strong background in data analysis and proficiency in tools like Python, Excel and Tableau. Seeking a full-time position or internship as a data analyst to leverage organizational and communication skills for enhancing office operations.

EDUCATION

Master of Science (M.S.) Health Informatics (Expected graduation Apr 2025)
Michigan Technological University, Houghton, MI

Bachelor of Science (B.Sc.) (2017-2021)
Agricultural College, Bapatla, Andhra Pradesh

EXPERIENCE

TEACHING ASSISTANT (PYTHON)

Michigan Technological University, Houghton, Michigan / Aug 2023 - Current

- Assisting in python programming to students enrolled in SAT 4650.
- Conducting lab sessions and providing support for python-related questions.

DATA ANALYST INTERN

Smile 4 All Dental Clinic, Guntur, Andhra Pradesh / Oct 2021 - Jul 2022

- Performed data and statistical analysis.
- Addressed patient concerns in an effective manner that instills confidence in organization.
- Merged spreadsheets from various sources to create more compact and centralized platform.
- Conducted end-to-end analysis to identify gaps and propose solutions.
- Developed dashboards and data visualizations to represent complex data sets.

PROJECT

Research Project on Stress Management Model (Spring 2023):

During my academic journey, I actively contributed to an innovative research endeavor focused on the development of a "Stress Management Model" utilizing real-time monitoring of user stress levels, heart rate, and its variability on mobile devices. This project not only honed my technical skills but also deepened my understanding of the critical intersection between technology and mental well-being.

Infant Immunization Reminder – Python (Spring 2023):

I created Infant Immunization Reminder, using Python and tkinter GUI. This prompts users for their baby's age and email address, then sends an email reminder with the baby's vaccination schedule based on their age. This project reflects my Python programming skills and application development for healthcare purposes.

Empowering Clinical Decision-Making: Heart Disease Classification with Machine Learning (Fall 2023):

I successfully completed this coursework project. This project involved thorough data exploration, implementation of machine learning models including Logistic Regression, Decision Tree, Random Forest, and Neural Network (MLP), and evaluation of their performance. I handled data preprocessing tasks such as missing value treatment and feature encoding, and effectively visualized results to draw actionable insights. This project demonstrates my proficiency in data analysis, machine learning, and healthcare applications, highlighting my ability to contribute to clinical decision-making processes.

RESEARCH

Volunteer Research in ICA Annotation with Labelme (Summer 2023):

My commitment to research extends beyond the classroom, as demonstrated by my volunteer involvement in annotating ICA datasets using the Labelme platform. This experience not only showcased my dedication to the research community but also allowed me to gain valuable insights into data annotation processes.

Volunteer Research in Hip Fracture Prediction via DXA Imaging (Fall 2023):

I recently completed a project focused on predicting hip fractures using Dual-energy X-ray Absorptiometry (DXA) imaging. Through the utilization of the U-Net architecture, the project successfully achieved accurate predictions. This experience reflects my commitment to advancing healthcare and staying updated on innovative medical imaging techniques.

Volunteer Research in Heart and Brain Connections : Phenotypic Insights (Spring 2024):

I am currently delving into the intricate interplay between heart and brain traits. This endeavor seeks to unravel nuanced phenotypic patterns, providing a comprehensive understanding of the connections that exist between these pivotal organs.

SKILLS

- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint)
- Python
- Tableau
- Machine Learning
- R Programming
- HTML & CSS
- Strong organizational and time-management skills
- Attention to detail and ability to multitask effectively.
- Excellent written and verbal communication skills.

PRESENTATION

Presented a poster on hip fracture prediction at MTU, demonstrating a commitment to advancing healthcare solutions and engaging in innovative medical research. Effectively communicated research methodology, findings, and implications. Received valuable feedback from peers and faculty members, showcasing proficiency in visually presenting complex topics.

EXTRA-CIRRICULAR ACTIVITIES

- Head of National Service Scheme in Bachelor's
- Member of Mind Trekkers at MTU

REFERENCE

WEIHUA ZHOU, PhD

whzhou@mtu.edu

906-487-2666

Assistant Professor, Health Informatics, Department of Applied Computing

Affiliated Assistant Professor, Department of Biomedical Engineering

Michigan Technological University

DECLARATION

I declare that the above information provided by me is true and correct to the best of my knowledge and belief.