

Anwar Sadad

H-4, Quaid-i-Azam University, Islamabad, Pakistan
anwarsadad@cs.qau.edu.pk | www.qau.edu/anwarsadad

EDUCATION

Quaid-i-Azam University

Islamabad, Pakistan

Master of Philosophy in Computer Sciences

2021-2023

- **Advisor:** Dr. Akmal Saeed Khattak
- **Dissertation:** Multi-Feature Point-of-Interest Recommendation using Graph Neural Network
- **GPA:** Result awaited...
- **Honors:** Departmental Fee Aid, Merit Fellowship

University of Buner

Buner, Pakistan

Bachelor of Science in Computer Sciences

2017-2021

- **Advisor:** Dr. Inayat Khan
- **Dissertation:** Next Point of Interest Recommendation using Large Bipartite Networks
- **GPA:** 4.0/4.0
- **Honors:** Ahsas Undergraduate Scholarship Program, Gold Medalist, Outstanding Student Award

RESEARCH PUBLICATIONS

Inayat Khan, **Anwar Sadad** et al. 2023. *NPR-LBN: Next Point of Interest Recommendation using Large Bipartite Networks with Edge and Cloud Computing*, **Journal of Cloud Computing**

Anwar Sadad, Muazzam A. Khan et al. 2023. *Distributed Twins in Edge Computing: Blockchain and IOTA*, **2023 International Wireless Communications and Mobile Computing (IWCMC)**

VOLUNTEER PROJECTS

Automated Water Tank Level Indicator

Bachelors – Semester Project

- Have designed a real-time water tank level indicator
- The primary function of the indicator was to show the level of water in the tank
- The objective was to limit the wastage of both water and power

Library Management Application

Bachelors – Semester Project

- Have deployed desktop-based application that manages the fundamental operations of the library
- The database was created in SQL and the UI in Java (JavaFX)
- The goal was to degrade human efforts and enhance the accessibility and usability of the library

Interactive Student Discussion Platform

Bachelors – Semester Project

- A client-server based discussion application for the campus
- The tools used in the project was Java and Oracle

AWARDS AND CERTIFICATIONS

Academic Awards

Bachelors + Masters

- Gold Medalist in Bachelors
- Huawei Seeds for the Future Program China
- Out Standing Student Award
- Position Holder Award
- Ahsas Undergraduate Scholarship Program
- Masters Merit Fellowship

Professional Certifications

- Programming in Python
- Mathematics for Machine Learning
- Google Project Management Specialization
- HISB - Data Science Bootcamp Islamabad
- Huawei Seeds for the Futurue Program

WORK EXPERIENCE

Masters Computing Research Lab

2022/2023

Quaid-i-Azam University

Islamabad, Pakistan

Supervisor: Dr. Akmal Saeed Khattak

26 Cr. Hours

- Proposed graph-based solution for Point of Interest Recommendation
- Performed extensive experimentation using deep learning and graph neural networks

Computer Science Project Lab

2020/2021

University of Buner

Khyber Pakhtunkhwa, Pakistan

Supervisor: Dr. Inayat Khan

4 Cr. Hours

- Extended the working of RELINE for Point of Interest Recommendation
- Performed experimentation, evaluated the results, and presented technical reports

Createch IT Solutions SMC. Pvt. Ltd

2019/2020

Swat, Khyber Pakhtunkhwa

Web Applications Development

Job Responsibilites

- Creating and maintaining websites, which includes coding web pages, ensuring cross-browser compatibility, and resolving technical issues
- Focusing on the user experience by improving website usability, navigation, and accessibility
- Optimizing website performance by reducing loading times, optimizing code, and implementing various devices friendly interfaces

TECHNICAL SKILLS

Programming

- Python, Tensorflow, PyTorch, OpenCV, Pandas, Numpy, PowerBI, HTML/CSS, JavaScript, React.js, Node.js, SQL, Django, C++, Java

Data Science

- Machine Learning, Deep Learning, Recommender Systems, Graph Neural Network, Liquid Neural Network, CNN, RNN, Transformers

REFERENCES

Dr. Akmal Saeed Khattak

Masters Research Advisor
Department of Computer Sciences,
Quaid-i-Azam University, Islamabad Pakistan

Dr. Rabeeh Ayaz Abbasi

Co Advisor of Masters Dissertation
Chairman Department of Computer Sciences,
Quaid-i-Azam University, Islamabad Pakistan

Dr. Inayat Khan

Bachelors Research Advisor
Department of Computer Sciences,
UET Mardan, Khyber Pakhtunkhwa Pakistan

Dr. Zafar Ali

Co Advisor of Bachelors Dissertation
Southeast University, Nanjing, China

Dr. Jawad Ahmad

Research Collaborator in Blockchain
Edinburgh Napier University, UK