

Anwar Sadad

H-4, Quaid-i-Azam University, Islamabad, Pakistan

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EDUCATION

Quaid-i-Azam University

Islamabad, Pakistan

Master of Philosophy in Computer Sciences

9-2023

- **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 Future 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 Responsibilities

- 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, Visualization, PowerBI, Node, JavaScript, HTML/CSS, React, 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

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