

# Anwar Sadad

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

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### 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

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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

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### 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

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### 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

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### 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

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### 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

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**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