



# Laiba Sabir

📍 **Home** : NE 1263, Ghousia Street, Dhok Farman Ali, Rawalpindi, Pakistan

✉ **Email**: [sabirbcs@gmail.com](mailto:sabirbcs@gmail.com) 📞 **Phone**: (+92) 3315599503

💬 **Whatsapp Messenger**: +923315599503

**Gender**: Female **Place of birth**: Islamabad, Pakistan **Nationality**: Pakistani

## ABOUT ME

I am an enthusiastic, self-motivated, and hardworking student who is keen to find a position in a natural and technical sector where I can work on my initiative or as part of a team and can deal with research duties competently where my creative initiative, ideas, and a genuine enthusiasm would allow me to progress.

## EDUCATION AND TRAINING

[ 09/09/2024 – Current ]

### Doctor of Philosophy in Computer Science

*National University of Science and Technology*

**City**: Islamabad | **Country**: Pakistan | **Thesis**: Co-Design Strategies for Scalable and Energy-Efficient Multimodal Large Language Models

#### Major Subjects:

Large Language Models, Reinforcement Learning, Big Data Analytics, Statistical and Mathematical Methods for Data Science, Tools and Techniques for Data Science, Information Visualization

[ 08/09/2021 – 21/06/2023 ]

### Master of Science in Computer Science

*COMSATS University*

**City**: Islamabad | **Country**: Pakistan | **Thesis**: EDASEM: Efficient Detection of Attacks with a Stacking Ensemble Method in IoT Networks

#### Major Subjects:

Theory of Programming Languages, Advance OS, Advance Topics in AI, Advance Topics in Computer Vision, Advance Topics in Wireless Networks, Advance Computer Architecture, Advance Algorithm Analysis, Machine Learning, Research Methodology

[ 02/09/2017 – 15/07/2021 ]

### Bachelor of Science in Computer Science

*Fatima Jinnah Women University*

**City**: Islamabad | **Country**: Pakistan | **Thesis**: Developing an Effective Intrusion Detection System using Machine Learning techniques

#### Major Subjects:

Programming Fundamentals, Data Structure and Algorithms, Operating Systems, Database Systems, Design and Analysis of Algorithms, Data Communication and Computer Networks, Artificial Intelligence, Digital Image Processing, Human Computer Interaction, Compiler Construction, Information Security, Parallel and Distributed Computing, Mobile and Wireless Networks, Numerical Computing, Software Project Management, Professional Practices in CS

## PUBLICATIONS

[ 2025 ]

### DeepSecure: a novel deep learning model for effective detection of attacks on big data in Internet of Urban Things

**Authors**: Laiba Sabir, Nadeem Javaid, Mariam Akbar, Abdulaziz Aldegheishem, Nabil Alrajeh and Safdar Hussain Bouk | **Journal Name**: Journal of Big Data | **Publisher**: Springer Nature

**Privacy-Preserving Healthcare Research: Evaluating GAN Models for Synthetic Data Generation.**

Submitted/Under review

**Authors:** Laiba Sabir, Shaina Laraib, Affefha Qureshi, Nadeem Ahmad.

**EDASEM: Efficient Detection of Attacks with a Stacking Ensemble Method in IoT Networks in Smart Cities**

Submitted/Under Review

**Authors:** Laiba Sabir, Nadeem Javaid, Mariam Akbar, Abdulaziz Aldegheishem, Nabil Alrajeh and Safdar Hussain Bouk

**CANN: A Correlation-Aware Neural Network for Predicting Compressive Strength of Cement Under Extreme Data Scarcity**

Submmited

**Journal Name:** Engineering Applications of Artificial Intelligence

**WORK EXPERIENCE**

***University of Jinan***

**City:** Jinan | **Country:** China

[ 20/01/2026 – 16/07/2026 ]

**Research Scholar**

***National University of Modern Languages***

**City:** Islamabad | **Country:** Pakistan

[ 08/09/2025 – 13/01/2026 ]

**Lecturer**

**Courses Taught**

- Programming Fundamental + Lab
- Data Structure and Algorithms + Lab

***Iqra University***

**City:** Islamabad | **Country:** Pakistan

[ 19/02/2024 – 07/09/2024 ]

**Lecturer**

**Courses Taught**

- Programming Fundamentals
- Operating Systems
- Data Structure and Algorithms
- Theory Automata
- Data Science

***Rawalpindi Women University***

**City:** Islamabad | **Country:** Pakistan

[ 14/09/2023 – 16/02/2024 ]

**Lecturer**

**Courses Taught**

- Data Science
- Database Systems
- Parallel and Distributed Computing

**INTERESTS**

**Research Interests**

Data Science, Artificial Intelligence, Machine Learning, Deep Learning, IoT Networks Security, Multimodal Large Language Models, and Autonomous Driving

## SKILLS

### Programming Languages

C++ | Java | Python | R

### Tools and IDEs

R Studio | Matlab | Spyder | Google Colab

## HONOURS AND AWARDS

### Artificial Intelligence in Education (AIED) - Enhancing Student Engagement through AI Supported Activities

**Awarding institution:** Far Eastern University

Certificate

### How to start your journey as an International Reviewer: Practical Tips and Insights HEC

**Awarding institution:** Emerald Publishing

Certificate

### Teaching With Psychology & Technology

Certificate

### IEEE Learning & Research for Pakistan students & researchers: An Overview of IEEE Xplore Digital Library

Certificate

### Power User in Locating Technical Resources: An in-depth dive with IEEE Xplore Digital Library

Certificate

### Webinar on "NLP, Transform your Mind, Transform your Life" Awarding institution:

Certificate

### Data Analytics and Business Intelligence Awarding institution:

Certificate

### EHSAAS UG Scholarship

Based on academic performance in undergraduate studies.

### USAID Scholarship

Awarded for outstanding academic performance during MS.

### NUST PhD Fellowship (NPF)

Merit-based NUST PhD fellowship awarded on academic excellence.

## RECOMMENDATIONS

**Name:** Dr. Nadeem Javaid Professor

School of Management, National Yunlin University of Science and Technology, Taiwan

**Email:** [javidn@yuntech.edu.tw](mailto:javidn@yuntech.edu.tw)

**Name:** Dr. Muhammad Khuram Shahzad Associate Professor

School of Electrical Engineering and Computer Science, NUST Islamabad, Pakistan

**Email:** [mkhuramshahzad@seecs.edu.pk](mailto:mkhuramshahzad@seecs.edu.pk)