CURRICULAM VITAE

Saba Naz

Personal Data

Gender : Female
Nationality :Pakistani
Marital Status :Married
Residence: Karachi
CNIC : 42501-2598780-8
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Mathematics, NED University of
Engineering and technology

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Languages:
Urdu / English.

Objective

I am a dynamic and action oriented person, I present myself with all my devotions, dedications and commitment for the best of your well substantiated organization in sublime of my field. I cordially assure you that I would capitalize my abilities in the field of scientific research and teaching.

Educational Profile

MS (Applied Mathematics) with research
From NED University of Engineering and Technology in **2017** with CGPA **3.80**

M.Sc (Applied Mathematics)
University of Karachi in **2014**.
1st Division

B.Sc (Computer Science, Mathematics & Physics)
University of Karachi in **2012**.
1st Division

H.Sc (Computer Science) From
Government Degree College, Malircantt in **2008**.

S.Sc (Computer Science) From
Muhammad Ali Jauhar Academy **2006**

Publications

Ahmed, Zeeshan, Saba Naz, and Jamil Ahmed. "Minimizing transmission delays in vehicular ad hoc networks by optimized placement of road-side unit." *Wireless Networks* 26, no. 4 (**2020**): 2905-2914.**(JCR Impact factor 2.1 in 2024, [JCR W Category])**

S. Naz and U. Fatima, "The Early Prediction of Chronic Diseases Through Diverse Machine Learning Techniques," *2024 26th International Multi-Topic Conference (INMIC)*, Karachi, Pakistan, 2024, pp. 1-6, doi: 10.1109/INMIC64792.2024.11004317. (Available at **IEEE Xplore**)

Working Experience

Teaching Mathematics at Department of Mathematics , NED University Of Engineering and Technology (Since July 2015)

- **Working as Lecturer (on Contract)**
  Duration:
  Since 14th June 2023
- **Worked as cooperative teacher.**
  Duration:
  18th July 2016 to 13th June 2023
- **Worked as part time teacher.**
  Duration:
  1 year (27-07-2015 to the completion of Fall semester and 29-12-2015 to the completion of Spring semester)

<u>**Courses that taught**</u>

- **Calculus**
- **Advanced/Multivariable Calculus**
- **Differential equations and Complex variable**
- **Fourier analysis and Transform**
- **Advanced Mathematical Techniques**
- **Linear Algebra**
- **Probability and Statistics**

Projects Supervised

1. Supervised Research Thesis for Undergraduate Diploma (UGD) by NED Academy in Data Science and AI titled as "**Polyp Classification and Real-Time Object Detection**".
2. Supervised Research Thesis for Postgraduate Diploma (PGD) by NED Academy in Data Science with Artificial Intelligence titled as "**Object Detection and Classification for Structural Damages on Concrete surfaces Using Deep Learning Techniques".**

Diploma and Certifications

- ➢ Completed Post Graduate Diploma in **Data Science with Artificial Intelligence** at NED University of Engineering and Technology (**2024**).

- ➢ Certified in **Business Intelligence** by **CENTRE OF CONTINUING ENGINEERING EDUCATION, NED ACADEMY** and **CRUX INTERNATION CANADA**

- ➢ Completed an online non-credit course **AI for Everyone** authorized by **DeepLearning.AI** and offered through **Coursera**.

- ➢ Completed the training on **Faculty Development Program** organized by QEC NED University of Engineering and Technology

- ➢ Attended workshop on **SPSS** at University of Karachi

- ➢ Attended workshop on **Scientific Writing** at University of Karachi

- ➢ Attended workshop on **Industrial Driven technologies** at University of Karachi

Skills

- ➢ **Python (** Data Analysis, Data Cleaning , Data Scraping , Data Visualization , web development and task automation**)** from **NED Academy (**NED University of Engineering and Technology**)**

- ➢ **Power BI (** Data Analysis , Data Cleaning , Data Visualization , Generate Reports**)** from **Crux Analytics (Crux International Canada)**

- ➢ **MySQL (** Manage relational databases and perform various operations on the data , Modify database tables and index structures**)** from **Crux Analytics (Crux International Canada)**

- ➢ **MATLAB. (**Programming on various mathematical methods including Newton Raphson, False position, Bisection, Divided difference, Rk method etc and also derivatives and integration**)**

- ➢ **Oracle (**Database including bank account, employees salary, electric bill record, library record, student attendance, student information**)**

- ➢ **Advance Pascal (**Programming on mathematical methods, different patterns etc**)**

- ➤ **C++ (**Programming on student Bio Data, Multiplication, Tables, Different Patterns and etc**)**

Interests

- ➤ **Scientific Research**
- ➤ **Teaching (Mathematics)**
- ➤ **Computer Programming**
- ➤ **Sketching and Painting**
- ➤ **Social Networking**