Ammara Saeed

Mathematician

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Mianwali, Pakistan

Dedicated Mathematics Enthusiast with a passion for delving into the machine learning and data analysis and eager to implement analytical skills to solve complex problems and make meaningful contributions to the field of data science.

EDUCATION AND QUALIFICATIONS

BS Mathematics(Data Science)
Namal University Mianwali

10/2020 - 07/2024

Courses

- Quantitative and Computational Reasoning
- Introduction to Programming
- Linear Programming and Optimization
- Probability and Statistics-I,II
- Machine Learning
- Linear Algebra-I,II

Intermediate in Engineering
Abdul Razzaq Fazaia College Mianwali

04/2017 - 05/2019

ADDITIONAL EXPERIENCE

Data Science and Machine Learning with Hands-on-Practice
Namal University Mianwali

Achievements/Tasks

- Worked on Titanic and Iris Dataset
- Data Visualization

BOOT-CAMP Workshop Co-Organizer
Namal Mathematical Society

Achievements/Tasks

- Organized a workshop on Entry Test Preparation and STEAM-a-Thon Competition at Namal (Collaboration with Ministry of Federal Education and Professional Training)

COMPPEC 2024
NUST College of EME

Achievements/Tasks

- Participated in 3 Minute Thesis Competition.
- Presented Final Year Project in 3 Minutes.

ORGANIZATIONS

Namal Mathematical Society
Namal University Mianwali

Namal Klub of Media and Arts
Namal University of Mianwali

Namal Literary and Debating Society
Namal University Mianwali

SKILLS

Machine Learning | Python | Latex | MS Word | MS Excel | Presentation Skills | Problem Solving

UNDERGRADUATE PROJECTS

Final Year Project(Prediction of Mental Health Problems in University Students Using Machine Learning)

- Data Collection, Scaling, Labelling Through DASS-21 and WHOQOL Scale
- Data Visualization
- Implementation of Algorithms
- Comparative Analysis of Algorithms and Factor Analysis

House Price Prediction Using Machine Learning

- Descriptive Data Analysis
- Exploratory Data Analysis
- Implementation of Random Forest, Decision Tree, SVM
- Feature Importance Using Decision Tree and Random Forest

Stroke Prediction Using Machine Learning

- Exploratory Data Analysis
- Univariate and Bivariate Visulaization
- Implementation of Algorithms Using ROC Curve

Real World Problem Solution

- Cost Minimization of Namal University Cafeteria
- Using Optimization Techniques(SIMPLEX AND BIG-M Method)
- Done Sensitivity Analysis Of Data

CERTIFICATES AND DISTINCTIONS

From Poverty to Prosperity: Understanding Economic Development (Oxford University, Blavatnik School of Government).

Machine Learning with Python(From Coursera)

Intro to Machine Learning (From Kaggle)

Machine Learning Algorithms(From Great Learning)

Machine Learning with Python(From freeCodeCamp)

LANGUAGES AND INTERESTS

Urdu | English | Chinese | Singing | Reading | Hiking