



Malik Tafheem Ul Islam
Computer Science
National University of Sciences & Technology, Pakistan
Current Degree: Bachelor of Science

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Gender: Male
DOB: 13-08-1999

Examination	University	Institute	Year	CGPA
Graduation	NUST	SEecs	2021	3.69 (Scale 4)

RESEARCH EXPERIENCE

- **Thermoelectricity** Aug'18 - Jan'19
Guide: Prof. M.A. Shah | National Institute of Technology, Srinagar, India
 - Did a **detailed literature survey** of **Thermoelectricity** and wrote a detailed report of the same, covering all the major ideas in the field of Thermoelectricity.
 - **Covered** topics from the physical concepts like the **Thermoelectric effects** to advanced topics like **Nanostructured Thermoelectric Devices**.

ACADEMIC ACCOMPLISHMENTS

- **Achieved a Perfect GPA of 4** in second academic semester at NUST. '20
- **Achieved a Perfect Score** of 800 (out of 800) in **SAT-2** Mathematics. Scored 790 (out of 800) in both Physics and Chemistry of the same examination. '18
- At NUST **scored an A** in major courses like: Data Structures and Algorithms, Discrete Mathematics, Linear Algebra, Object Oriented Programming, Calculus 1, Calculus 2, Digital Logic Design, Applied Physics, Introduction to Management.

CERTIFICATIONS

- **Deep Learning Specialization**
deeplearning.ai/Coursera | Instructor: Andrew Ng (5 Course Specialization)
 - **Used vectorization**, built **shallow** and **deep neural networks**. Applied DNNs to **computer vision**.
 - **Learned** to implement and properly stack the foundational layers of **CNNs (pooling, convolutions)**, and applied it in **object detection, art generation, and face detection**.
 - **Learned** about **RNNs** (LSTMs, GRUs, and BRNNs). Used vector representation and embedding layers for NLP. Learned about **speech recognition**.
 - Used **Python** for all implementations and **TensorFlow** as platform.
- **Machine Learning**
Stanford University/Coursera | Instructor: Andrew Ng
 - Learned **Logistic Regression**, artificial neural networks, data mining, and various ML algorithms.
 - Worked with supervised and unsupervised machine learning.
 - Used Octave to implement the code.

KEY PROJECTS

- **SKOLO: The School Management System** Dec'20 – Feb'21
Course: Database Systems (CS220) | Guide: Prof. Shams Qazi
 - **Designed** a school management system using **MySQL** as relational database management system and **JavaFX** as GUI.
- **Magasinière** Jan'20 – Aug'20
Course: Object Oriented Programming (CS212) | Guide: Prof. Pakeeza Akram
 - **Implemented** the puzzle-cum-game in Java. The execution was implemented using **JavaFX GUI**.
 - **Applied** several object-oriented concepts like **inheritance**, encapsulation, and **file handling**.

TECHNICAL SKILLS

Domains of Interest: Deep Learning	Software: GNU Octave, Microsoft Office, LaTeX, MySQL
Programming Languages: Java, C++, Python, C, SQL, Assembly C, Verilog	Operating Systems: Microsoft Windows, Linux(Ubuntu)
	ML Frameworks: TensorFlow, Keras