AREEBA BASHIR

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# Summary

An enthusiastic data analyst proficient in Machine Learning, Deep Learning, Large Language Models (LLMs), Databases, MATLAB, AutoCAD, and with a strong background in mern stack web development. Knowledgeable about fast engineering and generative AI. Currently pursuing a bachelor's degree in computer engineering, gaining practical experience through contests and internships

# Technical Competencies

* **Microsoft Word:** Documentation, Reports
* **FrontEnd developer:**html,css,javascript,tailwind seo
* **BackEnd developer:**node js, express js, mongo db
* **Seo :** backlinks , onpage seo, offpage seo

**Soft Skills**

* Spoken English
* Prompt Engineering
* Problem Solving
* Management
* Leadership

# Education

**Bachelor's in Computer Engineering** *University of Engineering & Technology, Taxila September 2022 – Present*

## FSc in Chemistry, Mathematics, and Physics

*Hit degree collage, Wah Cantt 2018 – 2020*

## Matriculation in Sciences

*Cantt board public school, Taxila Cantt 2018*

## Mern stack development

*Instructor of development in hitec university summer short courses | 2024*

**Certified from codealpha**

*Internship as a web developer in codealpha | 2024*

**Glaxit**

*Internship as a web developer at glaxit | 2025*

# Projects

## Brainlytics ML & BI (Completed)

* Applied Machine Learning (ML) techniques to analyze EEG data and predict mental states in BrainLytics. (Python-based)
* Developed an interactive Power BI dashboard to visualize brainwave patterns and mental state predictions for BrainLytics.

## Echo cancellation (Completed)

* Applied Digital Signal Processing (DSP) techniques like FFT. (Matlab-based)

## Robotics car using Arduino UNO (Completed)

* Designed and programmed an Robotics car circuit using Arduino UNO.

## School Management System (Completed)

* Programmed the school management system using mern stack.
* Society website with name of elance phantom using mern stack.

## Smart Irrigation System using ESP32 (Completed)

* Designed and programmed the Smart Irrigation System using ESP32, implementing it using Assembly Language.

## Light Chaser Circuit using Simple Electronic Components (Completed)

* Designed and implemented an LED chasing circuit using resistors, capacitors, and transistors.

# Social activity:

**President ok kaar-e-kamal taxila chapter:**

Serve as president from last one year

**Member ok umeed-e-subh uet taxila:**

Serve as member from last 3 years