

# AREEBA BASHIR

**Location:** Rehbar colony hmc Taxila, Rawalpindi, Pakistan (Open to Remote Work)

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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

- **MATLAB:** Signal Processing, Plotting, Data Analysis
- **Programming:** Python, R, C++, JavaScript, MySQL
- **AutoCAD:** Circuit and Layout Designs
- **Microsoft Word:** Documentation, Reports
- **Canva:** Visual Design, Presentations
- **Generative AI:** LLMs, Deep Learning, AI-powered Automation
- **Mern stack developer:** react js, node js, express js, mongo db
- **Seo :** backlinks , onpage seo, offpage seo

## Soft Skills

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

## **Experience**

### **Python Developer**

*Saturn7 | February 2025 – Present*

### **Python Instructor**

*CodeKidsPK | January 2025 – Present*

### **Graphic Designer**

*Etsy | October 2024 – December 2024*

### **Mern stack development**

*Instructor of development | May 2024 – Aug 2024*

## **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