

# Umair Ahmed

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## EDUCATION

### IBA, KARACHI

BS IN COMPUTER SCIENCE  
Grad. June 2025 (expected)  
Curr. CGPA: 3.0/4.0

### CREDO COLLEGE

Grad. Aug 2020 | A levels

### BSS CAMBRIDGE BRANCH

Grad. Aug 2018 | O levels

## SKILLS

### LANGUAGES

Java • Python • JavaScript • Typescript

### FRAMEWORKS

NodeJS • ReactJS • NextJS • ExpressJS  
• Material-UI • Tailwind  
• Tensorflow • Keras • Flask

### DATABASES

PostgreSQL • Firebase • MongoDB •  
OracleDB • MySQL

### PRODUCTIVITY

BASH • GIT • Linux (Ubuntu/Debian) •  
LATEX • GraphQL • Postman

## CERTIFICATIONS

Complete React Dev @ Udemy  
Complete Web Dev @ Udemy  
Network Security HOA @ Udemy  
Intermediate SQL @ DataCamp  
Intermediate Python @ DataCamp  
Responsive Web @ Freecodecamp  
Python (Basic) @ Hackerrank  
JavaScript (Basic) @ Hackerrank  
SQL (Basic) @ Hackerrank

## COURSEWORK

### UNDERGRADUATE

Data Structures  
Operating Systems  
Database Management  
Network Security  
Intro to Artificial Intelligence  
OOPs

## PROFESSIONAL SUMMARY

I am Umair Ahmed, currently a proactive third-year student at the prestigious IBA, passionately pursuing a Bachelor's degree in Computer Science. My academic journey has led me to develop my interest in three key domains: Web Development, Artificial Intelligence (AI), and Machine Learning (ML).

In the realm of Web Development, I excel at crafting intuitive and user-centric websites and web applications. My proficiency spans both front-end and back-end technologies, ensuring a seamless user experience and optimal functionality. I have hands-on experience with HTML, CSS, JavaScript, and various web development frameworks such as React, Node.js and Express.js.

What truly ignites my enthusiasm is the vast universe of Artificial Intelligence and Machine Learning. I am constantly immersed in this exciting field, exploring cutting-edge methods to leverage data for intelligent decision-making. My skills include data analysis, model building, and deployment using libraries like TensorFlow, Keras, Scikit-learn and Flask.

I have also worked on real-world projects that involve deep learning, computer vision, and predictive analytics. I am eager to contribute my skills and knowledge to the ever-evolving technology landscape. I bring a strong work ethic, a passion for learning, and a commitment to staying updated with the latest industry trends. With my solid foundation in Computer Science and a drive for learning new things, I am prepared to excel in dynamic roles that demand creativity and problem-solving in the world of technology

## EXPERIENCE

**Web Developer** | Brothers Roofing, Part-Time (Remote)  
Ontario(CA) | February 2023 - May 2023

- Developed entire website using the MERN stack.
- Responsive Styling done using Tailwind CSS.

**Registrations Lead** | GDSC IBA, Volunteering  
IBA, Karachi | September 2022 - May 2023

- Collaborating with development team to create user-friendly website for event information and event registration.
- Coordinated and managed the online registration portal for the event HackFest.

## PROJECTS

**AIRLINE MANAGEMENT SYSTEM** | PERN | Web DEV | PostgreSQL | VSCode  
Database Management • Central database for storing all information. • Multiple Conceptual Schema (User, System Admin, Pilot, Crew) implemented

**American Sign Language Interpreter** | Deep Learning | Tensorflow | Keras | Sklearn  
Deep Learning Model • Interpret ASL gestures from webcam frames. • Implemented computer vision techniques

**Facial Emotion Recognition** | Deep Learning | Tensorflow | Keras | Flask  
FER(2013) Dataset • Interpret Facial Emotions from webcam frames. • Implemented computer vision techniques • Successfully deploy it using Flask App on Heroku

**E-commerce Application** | MERN + Firebase | Redux | GraphQL  
Full Stack Web Application • Cookie based Authentication using JWT • Admin Panel Included • Firestore • Styled Components • Google Authentication using Firebase