

# MOHAMMED ABDUL RAHMAN



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## EDUCATION

B.E CSE AIML at Nawab Shah Alam Khan College of Engineering and Technology, OU (CGPA: 8.68)	2021-2025
Class 12th at MS Junior College (97.3%)	2019-2021
Class 10th at Mukarram Jah High School (90.3%)	2009-2019

## SKILLS

Programming	C, Python, Java, HTML, CSS, Flask, SQL,JSON
Technologies	Data Analysis, Machine Learning, Computer Vision, Web Scraping, Github, Git, MS-Office.

## WORK EXPERIENCE

- Amazon** Oct 2025 - Present  
*Machine Learning Data Associate*  
Supported ML data pipelines by validating, and refining training datasets. Worked with internal ML Ops tools to maintain data quality, resolve edge cases, and improve annotation workflows. Provided insights that enhanced model readiness and strengthened upstream engineering processes
- Edunet Foundation.** Nov 2024 –Feb 2025  
*Project Intern*  
Developed a chatbot to assist students as part of a CSR initiative with Edunet Foundation. Submitted the solution for integration into the college website to enhance student support.
- Enexperts Consultancy Pvt Ltd** June 2024 – Aug 2024  
*Data Analyst Intern*  
Researched and identified individuals interested in taxation and sales tax through social media activity. Collected and organized data to support targeted business strategies

## PROJECTS

### University Results Scraper [\(view project\)](#)

- It scrapes the results from the university website and displays them in a tabular form
- College administrators often use it to analyze student performance efficiently

### RepXplorer [\(view project\)](#)

- RepXplorer is a web-based application designed to track and count bicep curls using a camera.
- Users can input the number of curls they plan to perform, and the application will provide real-time feedback on the number of curls detected.

### TrueVision AI [\(view project\)](#)

- A deep learning system for detecting deepfake videos, using hybrid ResNeXt CNN and LSTM architectures
- Designed to balance detection accuracy with computational efficiency for real-world deployment.

### Admissions Assist AI [\(view project\)](#)

- An intelligent chatbot designed to address college admission queries seamlessly.
- Leverages AI to deliver accurate and instant information, enhancing user experience.

## ACHIEVEMENTS

- Contributed to **NumPy** ([PR #28100](#)), **Azure PSRule** ([PR #3188](#)), and **Open edX** ([PR #1002](#)) documentations
- Achieved the top rank over the entire four-year engineering program and received a **gold medal** in recognition.
- Participated in numerous **hackathons**, demonstrating strong problem-solving and innovation skills.
- Awarded a Merit Scholarship for outstanding academic performance.
- Founded and led an AI/ML club promoting innovation across various domains.

## PUBLICATIONS

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- **Rexplorer: A Real-Time Sensor-Free System for Workout Form Correction and Re-Squatting**  
*Presented at NSCADF-25, Muffakham Jah College of Engineering and Technology, April 22, 2025*
- **Evolving Large Language Models: Performance, Ethics, and Bias Trainability**  
*Presented at NCSDG-2K25, Sphoorthy Engineering College, April 11–12, 2025*