

# Muhammad Ahmed

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## OBJECTIVE

To secure an internship for an undergraduate student within the domain of Software Engineering and Artificial Intelligence.

## HIGHLIGHTS OF QUALIFICATION

- Junior year of bachelor's in computer engineering at the Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI).
- Gained experience and a sound understanding of C++ concepts, including its Procedural and Object-oriented features of programming through working on various academic projects.
- Currently acquiring knowledge on Web development and Artificial Intelligence through university courses and various online platforms.
- Developed proficiency with data structures, algorithms, and software design through elective courses and term projects.
- Leadership and teamwork skills developed through my role as the Technical and Operations Head of one of the prestigious society Institute of Engineering and Technology (IET) On Campus GIKI, and organizing various events, recruitment drives and professional development sessions.

## EDUCATION

**Bachelor of Computer Engineering (BSCE)** August 2020 – July 2024

- Junior year at Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI).
- CGPA 3.27/4.00.

**Higher Secondary Education (FSc. Pre Eng)** August 2018 – July 2020

- Higher Secondary School Certificate (Pre-Engineering) from Army Public School and College System (Satellite Town, Rahim Yar Khan)
- Grades: 77%

**Secondary Education** August 2016 – July 2018

- Secondary School Certificate (Science group) from Army Public School and College System (Satellite Town, Rahim Yar Khan)
- Result: 1027/1100.

## COURSE PROJECTS

### Mess Management System

- Designed and developed a web application for mess management system using Flask and SQL, which enabled tracking of students' mess record, their bill, and allowed for online mess in/out functionality.
- Implemented program-data independence by using a relational database to store information and followed a three-tier client-server architecture to process user requests efficiently.
- Technologies used: Flask, HTML, CSS, Python, firebase.

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## AI Based Gesture Control System

- Trained AI model for hand gesture detection.
- Integrated with presentation control system to control slides software from hand gestures.
- Technologies used: Python, TensorFlow, OpenCV, NumPy.

## SKILLS

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### Programming Languages:

- C, C++, Python, Java, Verilog, Assembly Language.

### Familiar Databases:

- Oracle, Firebase, MongoDB.

### Software Development Related Skills:

- Web development: HTML5, CSS3, Bootstrap, python, SQL.
- UI/UX/Wireframes: Figma.
- IDEs (VS code, Visual Studio, Jupiter Notebook).

### Other Skills:

- Teamwork, Leadership, Flexibility, Communication.

## EXTRA-CURRICULAR INVOLVEMENT

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### Technical and Operations Head

November 2022 – May 2023

Institute of Engineering and Technology, On Campus GIKI. (IET)

- Leadership and organizational skills utilized through organizing recruitment drives and conducting candidate interviews to induct students into the IET team.
- Took the initiative to help manage and maintain society operations through the pandemic and develop a roadmap for ramping up activities post-pandemic.
- Assigned as the lead on various events and seminars organized by the IET team at GIKI, including icebreakers and networking events, to ensure onboarding of new candidates, despite logistical challenges of conducting events due to the pandemic restrictions.
- In charge of the technical team for designing social media posters IET On Campus GIKI on both Facebook and Instagram.