

# Muhammad Mubashir Iqbal

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## Achievements

### Recipient of [Global UGRAD 2024 Scholarship \(USA\)](#)

- Selected among the top 50 out of 36,000+ applicants, placed in the **top 0.14%**.
- Completed 5th semester at [Pittsburg State University](#), KS, USA and recognized for initiative and global perspective.

### Merit Scholarship

- Awarded a [100% merit scholarship](#) for the duration of my bachelor's degree in GIKI.

### Winner of Hackwarts

- Won first place in an innovation and sustainability themed hackathon.

### Dean's Honor List

- Part of [Dean's Honor list](#) for first academic year.

### Member of GIKI Intellectual Council

- Part of a team of students aimed to relay the voice of the student body to the GIK administration.

### Awarded 3 Leadership Badges via Accredible

- [\(Leading Myself, Leading in a Community, Leading in a Team\)](#) by IREX, U.S. Department of State.

## Education

### Ghulam Ishaq Khan Institute of Engineering Science and Technology, Topi, PK Sep 2022 - Present

Bachelor of Science in Computer Science

- [CGPA: 3.30 / 4.00](#)
- Relevant coursework: Object Oriented Programming, Data Structures and Algorithm, Databases & SQL, Operating Systems, Technical Report Writing, Software Engineering, Cyber Security, Parallel Processing, and COAL

### Pittsburg State University, Kansas, USA

Aug 2024 – Dec 2024

Non-degree Coursework

- [CGPA: 3.77 / 4.00](#) (Global UGRAD exchange student for 5<sup>th</sup> semester)
- Relevant coursework: Artificial Intelligence, Network and Information Security, Data Analy: Busn Intelligence

## Work Experience

### Artificial Intelligence and Database [Intern](#)

Feb 2025 - Present

The Experts Tribe

New York, USA

Project: Yoke – AI-driven networking & matchmaking app

- Designed and managed scalable cloud databases with **Supabase** for efficient data storage, and real-time syncing.
- Developed AI-powered **matchmaking algorithms** using clustering and collaborative filtering.
- Built and evaluated ML models using metrics such as **precision, recall**, and **F1-score** for continuous performance.

### Scientific Computing (Artificial Intelligence/Data Science) [Intern](#)

July 2025 – Aug 2025

NETSOL Technologies

Lahore, Pakistan

Project: Intelligent Web Navigation System (Python, AI/ML, Web Automation)

- Built an intelligent web navigation system in Python integrating **Selenium** for dynamic crawling, Omni Parser for semantic **DOM** parsing, **LLMs** for natural language interpretation, and **RAG** for contextual retrieval.
- Implemented vector-based indexing and developed a **Gradio interface** for real-time natural language interaction.

### Artificial Intelligence [Intern](#)

Jan 2024 – Aug 2024

Cyberify

Multan, Pakistan

- Developed **AI-powered cybersecurity solutions** for threat and anomaly detection and automated response.
- Applied **ML algorithms (Random Forest, K-Means, Logistic Regression)** for classification.
- Preprocessed structured and unstructured data, including system logs, using **Python, Pandas**, and **NLTK**.

## Research Experience

### Use of Quantum Artificial Intelligence in HealthCare

- Applied Quantum AI techniques to improve efficiency in healthcare data analysis and diagnostics.
- Researched quantum machine learning for medical imaging, drug discovery, and personalized treatment.
- Integrated quantum-inspired algorithms with classical AI to handle large-scale healthcare datasets.

## Leveraging AI Voice Technology for Business Process Automation in Low Resource Languages

- Currently leveraging AI-driven voice technology to automate business processes in low-resource languages.
  - Focusing on building speech recognition and NLU models tailored for underrepresented languages.
  - Integrated voice-enabled automation pipelines with business workflows to enhance accessibility and efficiency.

## Academic Projects

## Detecting Alpacas using Custom-Trained YOLO v8 Model

- Developed a computer vision model using YOLO v8 for real-time detection of alpacas in images and videos.
  - Gained hands-on experience in MLOps workflows, data annotation, model training, and performance optimization.

# Data Analysis in R: Exploring Trends, Correlations, and Predictive Insights

- Key tasks included data cleaning, handling missing values, statistical analysis, correlation matrix generation, data visualization, probability calculations, and predictive modeling (**regression/classification**).

# DensClust: Density-based Clustering with Visual Representation

- C++ project to form clusters from input data based on density, providing a visual representation of clusters for analysis.

# Type-Mate: Keyboard Autocomplete Efficiency

- Utilizes a TensorFlow model trained on multiple English books analyzing typing history to predict the next word.

LogiTrac: Next-Gen Warehouse Inventory & Shipment Management

- Revolutionized warehouse operations by developing an integrated system with GPS Shipment Tracking, leveraging HTML, CSS, Python Django, and PostgreSQL to automate processes, and provide real-time shipment visibility.

# Ecommerce Website with PHP and MYSQL

- Mastered HTML, CSS, Bootstrap, and PHP for web development and gained proficiency in databases.
  - Implemented product management and order processing features.

## Checkers Game

- Developed a Checkers game using C++ OOP, utilizing classes and objects to represent the gameboard and pieces.

## Vistaflyer Loyalty Program: An OOP-based Discount System for Australian Airlines

- Built an OOP-based real-time discount system with tiered memberships for airline loyalty program, featuring a Tkinter GUI.

## **Community Leadership/ Extracurriculars**

**Vice President** of Karsaz Pakistan Social Synergy (NGO)

- Led flood relief efforts in Bahawalpur and founded a software house to create youth employment opportunities.
  - Organized medical camps providing free services to 600+ individuals and initiated breast cancer awareness.
  - Coordinated community events and directed recruitment of campus ambassadors to expand organizational outreach.

Ambassador at Rehguzar.pk

- Promoted STEM education in underrepresented communities, empowering students with essential skills.

<b>International Student Association, Pittsburg</b>	Member	Aug 2024 – Present
• Organized <a href="#">Global Fest</a> , a key event fostering cultural exchange between the campus and community. • Promoted cultural awareness and inclusivity through various student-led initiatives and performances.		

**IEEE GIKI Chapter**      [\*\*Director Robotics\*\*](#)      Jan 2023 - Present

- Led the 3<sup>rd</sup> International Conference on Emerging Power Technologies, and secured 1<sup>st</sup> place in **NEO**.

**GIKI Sports Society** Head Sept 2022 - Present  
· Served as **Basketball Head**, organizing Winter Games and the All-Pakistan Sports Festival at the national level.

## Skills

- **Programming Languages:** Python, C++, C, HTML, CSS, SQL, R Language, PHP, G Language
  - **Programming Tools:** Ubuntu, Visual Studio Code, Visual Studio, Anaconda, QT, TensorFlow, PyGame, Rstudio, Wireshark, Azure, Labview, Cursor, N8N, Docker, Packet Tracer
  - **Tools:** Microsoft Office, Canva, Visual Paradigm, GITHUB, Figma
  - **Interpersonal Proficiencies:** Leadership, Management, Sales, Critical Analysis, Communication, Teamwork