

# Rida S. Malik

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## EDUCATION

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology

Topi, KPK

B.S. in Cyber Security

Expected Graduation, June 2027

- **Related Coursework:** Object-Oriented Programming, Statistics and Probability, Differential equations and linear algebra

## EXPERIENCE

10x Engineers

Lahore, Punjab

Intern

July 2023 – Oct 2023

- **Hackathon Leadership:** Led the RISC V Hackathon, enhancing participant skills with open-source tools.
- **Creative Design:** Developed promotional materials, increasing event visibility by 30%.
- **Database Optimization:** Created a centralized leave management system for 200+ employees, reducing approval time by 20%.

UDAARI (Student-Led NGO)

Pakistan

Director IT

Jan 2020 – Oct 2022

- **Operations Management:** Oversaw IT functions, improving organizational efficiency.
- **Digital Outreach:** Boosted engagement by 40% through targeted social media strategies.
- **Registration Streamlining:** Enhanced onboarding processes, improving user satisfaction ratings by 25%.

## PROJECTS

Responsive Website for highschool Sports festival

Nov 2022

Developed a responsive website for a sports festival using HTML (49.7%), CSS (27.3%), JavaScript (20.6%), SCSS (2.4%), and Bootstrap

ASCII Art BlackJack Game

April 2024 – May 2024

Developed a console-based Blackjack game in C++ utilizing Object-Oriented Programming (OOP) principles and ASCII art for visual representation.

Crime Forecasting model

April 2024 – May 2024

Built a Random Forest classifier predicting crime types in Toronto; achieved an F1-score of 0.85 through effective data preprocessing and model evaluation.

WebCrawler

October 2024 – Dec 2024

Developed a multi-threaded web crawler in C++ that scrapes specified websites and returns results.

## ACTIVITIES AND LEADERSHIP

Team Swift (UAV Team)

Topi, KPK

Member: Fabrication, Sponsorship, and Automation

Sept 2023 – Current

Netronix

Topi, KPK

Member: Developed front-end for event webpage, enhancing user experience for a gaming society

Sept 2023 – Current

AIESEC in GIKI

Topi, KPK

Sept 2023 – Current

Onsite Participant, Rising Leaders Summit

Nov 2023

Director, Application Analysis (Spring Recruitment '24)

Jan 2024

BD : Director CRM and Alumni

Jan 2024 - July 2024

Director Delegate Servicing RLS

Dec 2024

## SKILLS

**Programming:** Python, JavaScript, HTML/CSS, SQL, Node.js, React.js, MATLAB, C++,pandas,Matplotlib,NumPy

**Tools:**Visual studio, PyCharm, Jupyter Notebooks, Git, Bootstrap,Wireshark,Nmap,Metasploit,Linux(ubuntu,kali,arch,parrot)

## Courses/Certificates

- Mathematics for Machine Learning: Linear Algebra Imperial College London
- CS50: Cyber Security Harvard
- Dynamic Web Programming TutorBees
- Introduction To CyberSecurity Cisco Skills For all
- Ethical Hacking Cisco Skills For all