

Shayan Rizwan Yazdanie

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EDUCATION

Ghulam Ishaq Khan Institute Of Engineering Sciences and Technology (GIKI)

September 2024 – Present

Bachelor of Computer Engineering

CGPA: 3.69/4.00

- **Relevant Coursework:** Programming Fundamental, Applied Physics, Occupational Health and Safety, Object Oriented Programming.

Cedar College, Karachi

September 2022 – August 2024

A-Levels (Maths, Physics, Chemistry)

- **Grade:** A
- **Activities:** Debating, Volunteering, Science & Mathematic Olympiads.

PROFESSIONAL EXPERIENCE

GIKI Rocket Engineering Team (GRET)

October 2024 – Present

Team Member

- Participated in the design and engineering of rockets, gaining hands-on experience in technical processes related to aerospace engineering.
- Utilized **SolidWorks** software to assist in creating and refining rocket designs, contributing to the technical team's efforts.

Association Of Computing Machinery (ACM)

October 2024 – Present

Tech and Coverage Team Member

- Designed and created promotional materials, including social media content and event posters, increasing engagement for ACM's events.
- Utilized key tools and softwares, such as **Canva**, **Figma**, **Adobe Photoshop**, to create artistic yet professional designs for ACM's flagship event, Softcom '25.

ACADEMIC PROJECTS

C++ Programming Project (Semester Project)

December 2024

Payroll Management System

- Developed a complete DBMS with integrated file handling to store employee details;
- Developed the system with features to support admin (payroll system manager), and, employee (user of payroll system);

Python Project (Semester Project)

Pakistan's Real Estate Market Analysis

- Analyzed Pakistan's real estate market using data scraped from Zameen.com;
- Provided insights into property prices based on factors like city and number of bedrooms, filtering outliers (top 1% of prices);

ADDITIONAL

Application Proficiencies: MS-Office, AutoCAD, Solidworks, C++, Adobe Photoshop, Canva, Figma.

Certifications: C++ Programming Fundamentals.

Interests: Supply Chain Management, Tech, Film-making, Football, Writing, Humanitarian Work.

Languages: Urdu (Fluent), English (Fluent).

EXTRACURRICULAR & VOLUNTEER EXPERIENCE

Scinnova (A-Level Science Olympiad)

January 2024

Volunteer

- Collaborated with a diverse team of volunteers to provide support during the competition, facilitating participant registration and event execution.

Google IdeaSprint 2024 Hackathon

November 2024

Participant

- Designed an Accident Management System with real-time accident detection and automated emergency alert mechanisms;
- Integrated LiDAR sensors and AI-driven analytics to enhance accuracy, response time, and overall system efficiency;
- Stood 3rd in the overall team rankings, in the Pitch Module.

Micathon (Hackathon)

February 2025

Participant

- Developed a website, 'EduMate', that fetches credible study resources and auto-generates flashcards by scraping content;
- Built the front-end using **HTML**, **CSS**, **Javascript**, **React.js**, and **Tailwind**, and the backend with **Python (Flask Framework)**;
- Integrated Google's Custom Search API for structured web scraping and data extraction.