

Objective	Skilled dev with a passion for delivering innovative tech solutions. Proficient in multiple programming languages and database systems. Adept at cloud computing platforms such as AWS, Heroku, and Github. Using my skills and experience to contribute to the success and growth of the organization while driving my own professional development.		
Education	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) Bachelors of Science in Computer Engineering CGPA: 2.88/4.00	Topi, PK 2020 - 2024	
Work Experience	Intern at Good Space Assisted in market research, data analysis, and marketing campaign planning, leading to increased outreach and user base	New Delhi, India 7 April 2022 - 27 June 2022	
	Intern at ERISP, Peshawar IT Park Contributed as a team member in the development of diverse projects including websites and custom software solutions for various clients.	Peshawar, Pakistan June 2022 - Aug 2022	
	Giki Team Invictus: Testing & Design Head Testing aircraft components & modules to ensure performance and safety. Directed design team to meet mission requirements for annual DBFC competition in USA.	Topi, PK Nov 2021 - Present	
	Giki Team Technobolt: Robotic's Building head Worked as a member of a robotics-based team, contributing to the design, construction & programming of robots.	Topi, PK jan 2022 - Present	
	GIKI Science Society: Liason & Modules Head Designed Technical modules for competition & coordinated and communicated between various stakeholders to ensure the stakeholders & our success.	Topi, PK Jan 2022 - Present	
Academic Projects	18 DOF HEXAPOD Engineered an 18 DOF Hexapod using Raspberry Pi & concepts of forward & inverse kinematics in a 3d printed chassis. It was designed to traverse diverse terrains.		
	Find Yourself a Mentor Website A mentor-matching website for incoming university students. Utilized various Web development skills to create a visually appealing and user-friendly website -> FrontEnd 1: javaScript 2: HTML 3: CSS -> BackEnd 1: PostgreSQL 2: Python		
	Election Management & Voting System Developed an Election management system in C++ using Data Structures, OOP & Pointers. It utilized linked lists & sorting algorithms like Merge sort etc to efficiently store, retrieve & sort information about voters and candidates.		
	Mercy: Protect Thy Honour (2D Graphics Game) Developed a 2-player 2D game with smooth FPS (60 or 144 FPS) inspired by Streetfighters. Utilized SDL2 libraries for the visuals, Text, Music, etc. Applied concepts of OOP such as polymorphism, inheritance & composition to develop various features.		
	FPV Drone Engineered & Constructed an FPV drone utilizing an F4 processor and a radio control system. Implementing PIDs to achieve smooth flight with speeds over 100 km/h.		
	Personel Portfolio Website Developed a personal portfolio website utilizing Heroku cloud services & Django WebFramework. ->FrontEnd: (JavaScript, HTML, CSS, JQuery) ->BackEnd: (PostgreSQL, Heroku Cloud Services, Python)		
	Yelp Web Crawler A Yelp web scraper using Python to gather information on diverse businesses. -> Libraries used: (beautifulsoup4, openpyxl, requests)		
	Giki Mess Management System Documentation Utilized software engineering methodologies to develop user manuals, technical documents, UMLs & flowcharts.		
Awards & Achievements	- Neo 22, Figure 8 Winner by IEEE - Best Project Award in 3rd Semester & 5th Semester		
Skills	- Programming Languages: C/C++,Python, Java, JavaScript, CSS3/HTML5, Assembly, Matlab, Verilog - WebFrameworks: Django, Laravel, Node.js, React.js - DataBases: SQLite, PostgreSQL, Oracle DBMS - Tools / Softwares: Solid Works, Proteus, MATLAB, Keil, Multisim, MP-Lab, Github, Linux, Ubuntu, Bash, Xilinx, Ms Office Suite, VS Code, Visual Studio, Jupyter Notebook, Collab, Canva, Visual Paradigm, - Microcontrollers: 8051, PIC18F, Arduino, Raspberry Pi - Soft Skills: Excellent Problem Solving & Adaptability, Communication, Leadership, Time Managment, Stress Managment, Team Work, Academic Technical Report Writing		

