

Zarrar Khan

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Pakistan

Objective Seeking a challenging and rewarding electrical engineering position to apply technical skills, and continuously learn and stay updated in the field. A dedicated, organized and methodical individual with good interpersonal skills. I have an active and dynamic approach to work, and my determination makes me capable of identifying and developing opportunities. A team player, who can adapt to any work situation, taking up on responsibilities in order to meet team goals.

Education **Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI)** Topi, PK
Bachelors of Science in Electrical Engineering(Electronics) 2020 - Present
CGPA: 2.28/4.00

Bahria College Karsaz Karachi, Pakistan
Intermediate in Pre-Engineering 2017 - 2019
Result: 770/1100

Work Experience **Naqsh Art Society** Topi, PK
Organizing Committee Head - Executing cultural Intra- and All-Pak Events. 2021 - Till Date
- Led a team of 30+ members for event management.
- Liaised with ambassadors of several universities in Pakistan, in promoting and selling the event.
- Researched marketplace, and negotiated with vendors to cut logistical costs by 20%.
- Liaised with companies nationwide, conducting 100+ cold calls for partnership and collaboration in sponsorship, raising funds of up to PKR 150,000.
- Developed a cross channel social media campaign in attaining maximum reach within the universities and nationwide.

Photomath, Computer Program Karachi, Pakistan
A computer algebra system with an augmented optical character recognition system, 2021 - Till Date
designed to recognize mathematical equations
- In-depth understanding of college level mathematics methods including calculus, probability, and statistical analysis.

UpWork - Graphic Designing, Freelancing Karachi, Pakistan
- Executed several projects for customers, designing posters for businesses, startup 2020 - Till Date
companies, and students, using Adobe Photoshop and Illustrator.

Academic Projects **Function Generator**
- Developed a highly precise and versatile function generator using diodes and operational amplifier IC's.
- The function generator was capable of generating sine, triangular, and square waves with the ability to adjust both amplitude and phase, making it a versatile tool for various applications.
- This project highlights my expertise in circuit design and electronic engineering, and demonstrates my ability to design and develop complex projects.

Step-down Transformer
- Designed and built a 110 VA Step Down Transformer using Silicon Steel as the core material.
- Devised a complex design, and built the unit through several electrical components and systems.
- The use of Silicon Steel as the core material demonstrates my understanding of the properties and characteristics of different materials and how they can be used in electrical engineering projects.

Awards & Achievements - Event Management: Liaison and Social Media (Marketing) Head - Naqsh Art Society, GIKI 2024
- Zonal Level Gold in Inter-Football Competiton
- GIKI Sports Society - Marathon Runner

Skills - Adobe: Photoshop, Illustrator, Premier Pro
- Microsoft Office: MS Word, Powerpoint, Excel
- CAD Software: Creo, SolidWorks
- Tools: Arduino, Raspberry Pi, Proteus, MATLAB & Simulink, LTspice
- Professional Skills: Project Management, Event Management, Freelancing, Interpersonal Skills, Problem Solving