

ITRAT RUBAB

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A dedicated Electrical Engineer with extensive knowledge of engineering principles, MATLAB, Proteus, theories, specifications, and automation with strong communication skills. Adept in carefully diagnosing and assessing issues. Skill in design, prototyping, and testing. I am committed to working as a collaborative and positive team member, striving to utilize my knowledge and expertise for optimal engineering results.

Education

Government College University, Faisalabad (GCUF) <i>Bachelor of Electrical Engineering</i>	Faisalabad, Pakistan 2020 - 2024
Reader College for Women <i>F.Sc Pre-Engineering</i>	Kot Momin, Pakistan 2018 - 2020

Professional Experience

RAVI AUTOS SUNDAR (PVT) LTD (MTO DEVELOPMENT & SUPPORT)	LAHORE, Pakistan DEC 2025 – Present
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Currently working as a **Development & Support Engineer** with hands-on involvement in the complete project lifecycle from project initiation to closure, including understanding customer requirements, internal processes, and execution flow. Developed strong working knowledge of key project and quality documents such as **OPS, PFC, SIS, P-CPK, and LAR**, along with practical understanding of **CFC/CFD concepts** and **Die & Mold development** to support efficient and compliant project delivery

RAVI AUTOS SUNDAR (PVT) LTD (MTO CNC Maintenance)	Lahore, Pakistan May 2025- Nov 2025
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Manufacturing oil pump, EV bikes, water pump of 4 wheelers and Cylinder body.

- During this contract I doing Oversight **preventive and breakdown maintenance activities** to ensure smooth and efficient machine operations, Monitored and analyzed **downtime reports** to minimize production losses and improve equipment reliability, Maintained and updated **ISO documentation** in compliance with quality and safety standards, Managed **RO Plant maintenance** and upkeep to ensure uninterrupted utility support for production processes, Developed and maintained the **Master Machine List**, identifying **critical machines and critical spare parts** for risk-based maintenance planning.

GMSA INTERNATIONAL CO. (Internship)	Faisalabad, Pakistan Jul 2022- Aug 2022
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Adhesive and lubricant manufacturer producing car care and LPG products.

- During this internship I explore automation technology, its protection system, and troubleshooting

NOON SUGAR MILLS LIMITED (Internship)	Bhalwal, Pakistan Sep 2022 – Oct 2022
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Crushes 2000 TCD of sugarcane/day and 130,000 liters of Ethanol/day.

- Explored the latest production area, and how can bring cost-free automation technology or increase production.

Academic Experience

IoT-Based Visitor Guidance System for Larger Institutes/Historical Monuments <i>(Final Year Project)</i>
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- Developed an IOT-based Visitor guidance system by utilizing dual-mode ESP-32 providing real-time navigation through connected devices.
- Enhanced visitor experience by automating directions, historical details, tourist details, and personalized tour recommendations.

Design DC Drill Machine

- Design a drill machine with using lithium-ion battery of 5V and 1-2Amp.

Digital Counter 1-9 counting, Complex Engineering Activity (CEA) Gates (Term project)

- Designed a digital counter circuit using IC 4026 and synchronizing clock pulses

Extracurricular & Volunteer Experience

Blood Donation Society (JZT-GCUF Chapter)	Faisalabad, Pakistan
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- *General Secretary*: Managed events and organized seminars in the university for Thalassemia awareness

Volunteer at “PEC-Community Club” (NGO)	Sep 2022- Present
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- Department of Electrical Engineering, GCUF

Public and Motivational Speaker	Sep 2022-Sep 2023
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- *Literary and debating society(LDS)*

Event Organizer	Feb 2020-Feb2021
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- *General Secretary*: Managed events and organized seminars at the university.

Honors and Awards

ACADEMIC SCHOLARSHIPS

- Received full merit-based academic scholarship from HEC 2020 - 2024

AWARDS AND CERTIFICATIONS

- Pakistan Engineering Council Certified Engineer 2024
- PEC-STEM Ambassador 2024
- 2nd position in FYD project competition by PEC 2024
- Awarded with CM-certified English essay writing competition at the district level 2016

Additional

- **Technical Skills:** PSPICE, MULTISIM, Proteus, Kinco PLC, MS Office, LAB VIEW, MATLAB
- **Personal Skills:** Leadership, Management, Team work, Skilled Presenter
- **Language:** English (*proficient*), Urdu (*native*), Punjabi (*expert*)