M. Hanzala Iqbal

Electrical Engineer

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Chakwal

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As an electrical engineer, I bring a results-driven approach to every project I undertake. With a focus on innovation, efficiency, and sustainability, I am committed to delivering high-quality solutions that exceed expectations. Whether working independently or as part of a team, I thrive on challenges and am dedicated to achieving excellence in everything I do.

EDUCATION

Bachelor of Electrical Engineering
Namal University Mianwali

08/2019 - 08/2023 *3.35/4.0*

Courses

- Introduction to Machine Learning
- Data Structures & Algorithms
- Wireless Communication
- Control Systems
- Quantitative and Computational Reasoning
- Internet of Things (IOT)
- Computer Communication Networks
- Power Electronics
- Database Engineering

WORK EXPERIENCE

Electrical Intern
Kozmek Engineering

06/2022 - 08/2022 *Islamabad, Pakistan*

Achievements/Tasks

- Designed electrical schematics and layouts using AutoCAD for diverse projects.
- Collaborated with team members to ensure compliance with building codes.
- Gained practical experience in electrical design software and principles.

Electrical Intern
Cornerstone Consultants, and Associates

08/2022 - 09/2022 *Islamabad, Pakistan*

Achievements/Tasks

- Assisted with load calculations for electrical projects, such as grounding and short-circuit calculations.
- Applied electrical engineering principles and techniques in simulation and implementation.
- Gained practical experience in transformer calculations and related areas.

ORGANIZATIONS

Kozmek Engineering (06/2022 - 08/2022)
Electrical Intern

Cornerstone Consultants, and Associates (08/2022 - 09/2022)
Electrical Intern

SKILLS

Python | SQL | System Integration | AutoCAD | C/C++ | Edge/Cloud Computing | Distributed Machine Learning | MATLAB | Model Aggregation | Meta-Adaptation | Decentralized Data Analysis | IOT

UNDERGRADUATE PROJECTS

Final Year Project (09/2022 - 08/2023)

- Developed a machine learning project focused on Federated Learning for Cellular Traffic Prediction.
- Used Federated Learning algorithms such as FedAvg and FedAtt to improve prediction accuracy and preserve data privacy.
- Experimented and compared traditional machine learning methods like ARIMA, SVR, Deep Neural Networks, and LSTM.
- Enabled efficient network management and improved wireless communication systems, revolutionizing the telecommunications industry.

CERTIFICATES

Arduino Workshop Certified (02/2020 - 02/2020)

Python Programming Workshop (01/2023 - 01/2023)

Certified Graphic Designer (02/2019 - 03/2020)

ACHIEVEMENTS

Laptop holder (2017)
In Pakistan Youth Innovative Program

Full Fee Merit-based scholarship (2019)
holder in B.S Electrical Engineering

Director Social Media (05/2019 - 01/2023)
Of US based company

INTERESTS

DIY Projects | Graphics Designing