

Faizan Tariq

faizantariqadd@gmail.com

+92-332-3539862

Address

Sidra Arcade, Block 7/8, Plot 56-B, K.M.C.H.S

Karachi, Sindh

Pakistan

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| Objective | Energetic individual with strong knowledge of Mechanical procedures. Looking to employ knowledge as a fresh graduate of Mechanical Engineering to render an efficient service in an entry-level Mechanical engineer capacity. | |
| Education | Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) | Topi, PK |
| | Bachelors of Science in Mechanical Engineering CGPA: 3.21/4.00 | 2014 – 2018 |
| | The Beacon House School System | Karachi, PK |
| | GCE Advanced Level Grades: 2 A's; 1 B | 2011 – 2013 |
| Work Experience | Team Lead at Data Communications and Control PVT Limited, Karachi, Pakistan | June-Aug 2017 |
| | Project: Green Line Bus Karachi: solution for Bus Docking System (BDS) to make it efficient. Employed a bus docking solution that was a hybrid of Mechanical and Electronic system to make the bus efficiently parked at station with minimum parking time and maximum comfort for passengers. Conducted feasibility study and research on cost and Technology currently being used in all over the world in BDS for rapid transit and compared with existing bus rapid transit of Pakistan. Proposed design predicted to accommodate up to 1200 passengers daily making Green Line more financially efficient than Islamabad and Lahore Metro. | |
| | Team Lead at Design Team of Toyota Team HammerHead GIKI (Electric based car) | Aug-Dec 2016 |
| | Supervised the Design team to develop a new design of chassis with a higher strength to weight ratio minimizing the inertial effects of the body on the battery power. New Design optimized the efficiency of the car up to 311Km/KWh. | |
| | Director Outreach at Welfare Society of GIKI (Project Topi) | June 2017- March 2018 |
| | Treasurer and executive council member. Organized two blood donation drives at the campus in collaboration with Red Crescent Hospital Islamabad. | |
| | Marketing Manager at American Institute of Aeronautics and Astronautics (AIAA) | 2014-2016 |
| | Supervised the Multimedia team for Social media marketing of events conducted twice every year in GIKI. | |
| Final Year Project | Design of 5 Axes CNC Milling Machine | |
| | Developed Mechanical Design including 3D CAD model (CREO PARAMETRIC) with complete structural analysis using FEM package ANSYS. Also designed Electrical Hardware and Software to control each motor axis. | |
| Academic Projects | Improved the supply chain of Shalimar Cotton Exports PVT LTD Faisalabad | |
| | Reduced idle time by providing alternate energy solutions like mobile gas turbines during power shortages. Improved visibility and supply chain management by using ERP solutions. | |
| | Development of Ocean Energy Harvesting device | |
| | Developed a small scale turbine which was rotated using slider-crank mechanism. The oscillatory motion of water was used as input. This turbine could be used to charge up small electronic devices. | |
| Award & Achievements | <ul style="list-style-type: none"> - Dean's Honor list in 7th semester with distinction. - Awarded PKR 20 Million grant from the Government of KPK, Pakistan, for the Final Year Project "The Design & Fabrication of 5-axis CNC Milling Machine" - Achieved 6th position in Shell Eco Marathon 2017 by Team HammerHead. | |
| Skills | <ul style="list-style-type: none"> - Computer skills: C/C++, MATLAB, Python, Linux, Microsoft Office, G&M Coding (CNC) - Mechanical softwares: Proficient in Creo parametric (CAD Modeling), Ansys (structural Modeling and Analysis) - Project Management - Graphic designing: Photoshop - Certified Industrial Health and Safety Engineer: GIKI - Certified Training of Raspberry Pi Interfacing and Coding: GIKI | |