

Raez Mohammed Namboorimadom Najeeb

148 Stanton Street, Newcastle upon Tyne, NE4 5LH | 07423228470 | raez.najeeb@gmail.com |

OBJECTIVE

Quality-centric engineering professional having an MSc in Renewable and sustainable energy technology with more than three years of expertise in the mechanical engineering field, Vehicle Design and development. Expertise in CNC machine operation and advanced academic background encompassing bachelor of mechanical engineering, high technical knowledge in Software like Solid-works, Design builder, MATLAB, Auto CAD and good academic background. Strong cultural awareness and a global mind-set gained via a unique mix of international experience.

CORE COMPETENCIES

Mechanical engineer | Energy Engineer | Research Aspirant | Decision Making | Interpersonal Communication | Team Collaboration and Leadership | Stakeholder Relation | Time Management | Critical Thinking and Coordination | Engineering and Mechanical Concepts | Problem solving skills | Operation monitoring | Welding

IT skills: Solid works • AutoCAD • CFD Ansys • MS office suite / Project • Design Builder

PROFESSIONAL EXPERIENCE

Mechanical Engineer (GEM SOLUTIONS, INDIA) (May 2015 - Feb 2019)

- Overseeing the overall project development processes, analyzing blueprints and specifications, and designing system models according to clients' requirements and budget limitations.
- Collaboration / Customers: Supply Chain, Manufacturing, Quality, and Engineering for Gem solution.
- Provide mechanical engineering support for the offset printing machine overhauling and CNC operated machines, Identify and problem solve complex technical issues and provide necessary solutions to eliminate root cause products assets in gem solutions.
- Design and fabrication of gears and machine parts using 3D printers, impregnated with the right polymer and or composite material system for the product.
- Roller, seeder, gripper setting and Ink gyro settings, Pneumatic brush setting and blanket changing.

Associate Mechanical Engineer (HMT Machine Tools Limited, Kalamassery, INDIA) (June 2018 - Sept 2018)

- Responsible for production of deliverable, which may include engineering support, design calculations, specifications, procedures, analyses, progress reports, and various 3rd-party submissions. Performs QA/QC and engineering compliance checks on all work performed by themselves or junior engineers within the group.
- Prepares the documentation, Checks and coordinates all ongoing and completed work performed by CAD Designers.
- Products manufacturing asset performance to achieve Safety, Quality, OEE, & Cost objectives. As a CNC operator, I programmed, set up, and operate a computer numerical control (CNC) machine to manufacture machined parts. Maintaining equipment, adhering to quality and safety regulations, and maintaining precise part records are only a few of a CNC operator's primary tasks. ,produce machined components through the programming, setup, and operation of a computer numerical control (CNC) machine.

Mechanic at Grace Auto Garage Engine Mechanic (setting and fitting) (Feb 2019 - Aug 2019)

Served as a friendly, hardworking, and punctual employee. I worked under Grace Auto Garage for almost more than a year as a supervisor. I maintained timely communications with clients and business partners. Consistently worked with client satisfaction in mind.

ACHIEVEMENTS

- College Tech Fest “DHISHNA” Second position in “Dirt Racer” on 5th,6th & 7th October,2017.
- College Tech Fest “ABHIYANTHRIKI 2017” event “PAPER WINGS” on 17st & 18th March,2017.
- Member of “INDIAN SOCIETY OF MECHANICAL ENGINEERS” since 9th January, 2016.

EDUCATION AND QUALIFICATION

UNIVERSITY OF NORTHUMBRIA, Newcastle upon Tyne, United Kingdom

Master of Science Renewable and Sustainable Energy Technologies with Advance Practice Oct 2019-June 2021

Studies: Building Energy and Environmental Modelling and Heat Transfer, Wind, Photovoltaic and Hybrid Renewable Energy Systems, Sustainable Development for Engineering Practitioners, Thermo-mechanical energy conversion system, multidisciplinary Design and Engineering Optimization.

Dissertation: EVALUATION OF PRESSURE RETARDED OSMOSIS AS A PROCESS The development of renewable energy sources through Pressure Retarded Osmosis has been examined in this dissertation, and it was discovered that there were several applicable research that were either explicitly or indirectly linked to and modelling research on pressure-retarded osmosis (PRO) processes.

MAHATMA GANDHI UNIVERSITY, Kottayam, India

Bachelor of Technology: Mechanical Engineering 2014 – 2018

Modules: Mechanics, fluid dynamics, machine design, engineering management, Engineering Mathematics, Engineering Graphics, Structural Analysis, Composite material, and structural Analysis, Thermo-mechanical energy conversion system, Machine drawing, Basic computer programming, Material Science, Mechatronics, Applied Thermodynamics, Metrology and instrumentation, Thermal engineering, Power plant engineering, Machine Tool and Machining Science, Dynamics of Machinery, Heat and Mass Transfer, refrigeration and Air Conditioning, Vibration and Noise control, Automobile Engineering, Quality Engineering, Production Technology, Operational Research.

ADDITIONAL WORK EXPERIENCE

- NHS BSA - Support Services Health and Social Care Healthy Start (Nov 2021- Mar 2022).
- SODEXO - Multi-Skilled Operative (Nov 2021-Apr 2022).
- RESQ - Tier-2 call HANDLER (NHS Test & Trace Customer Assistant) (May 2021- Oct 2021).
- SHELL GARAGE DURHAM (UK) - Customer service executive (Nov 2020 -May 2021).
- URY RESTAURANT - Assistant Manager (June 2020 – Nov 2020).
- BEST ONE STORE (UK) - Customer Assistant, Till Operator, Storekeeper) (Dec 2019 – June 2020).
- ORCHAD FOODS (UK) – (Service men in Assembly Line and Dispatch) (Oct 2019- Dec 2019).

CERTIFICATION AND SPECIALIZATION

- Full clean UK Driving License
- HMT – Expertise Certified Training program in CNC machine operation
- Elite Techno group – All terrain vehicle Design and development
- Member of Indian Society of Mechanical Engineers
- MS Office, Design Builder, Adobe, Math Lab, C++
- ASME Member Memberships - ASME (The American Society of Mechanical Engineers), APM (Association for Project Management).

PROJECT AND RESEARCH EXPERIENCE

- **Technical Paper Published:** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Paper (Id: IJRASET18419) entitled "Experimental Study on the Effects of Process Parameters on MRR in Incoloy825 using Wire EDM Process" published in Volume 6, Issue VII.
- **Design and develop a prototype of F-1 Car using Recycled material:** This project encompasses all aspects of the design of manufacturing using solid works software designing of three-dimensional models and prototype, producing detailed drawings, and prepare design documentation. Preparation of CAD model. CAE analysis of the CAD design to know the durability of product under extreme loads and conditions.
- **Research proposal for the company Energeo:** This project's primary objective is to produce location-based products and services that assist stakeholders in making more informed decisions about the deployment and management of zero carbon technologies. Discover how Energeo's Locate platform can help EV charging stakeholders identify and assess deployment locations from the desktop Using Geospatial data.
- **Research Experiments on Thermo-Mechanical Energy Conversion Systems.**
- **Design Optimization of Heat Exchanger using MATLAB.**

REFERENCE

Available upon request.