

Anket Waswani

Mechanical Engineer

Highly motivated, eager to learn and systematic individual with hands on experience in 2D Designing Software, 3D CAE model simulation software and programming experience by creating real world applications using Python 3. Work independently and professionally with little supervision and possess clear and structured communication skills who excels at working in a highly dynamic environment.



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📍 Visit Visa (2nd April - 30th June 2019) , Dubai, United Arab Emirates

EDUCATION

B.Eng in Mechanical Engineering (Honors)

Anglia Ruskin University, Chelmsford, UK [🔗](#)

09/2015 – 07/2018

*Awarded Second Upper Class
Honors - GPA 3.47/4.00*

International Baccalaureate Diploma Program

Ras Al Khaimah Academy, UAE

09/2013 – 05/2015

WORK EXPERIENCE

Manufacturing Design Engineer Trainee

Toshiba Transmission and Distribution

Systems Asia Sdn. Bhd. (TTDA)

08/2018 – 02/2019

Selangor, Malaysia

Responsibilities/Achievements

- Provide support and assistance to the lead design engineer in the mechanical design development of medium voltage (MV) switchgears.
- Assisting and Engineer in developing parts of the mechanical design and then progressing these through the implementation phase
- Take 3D models and create orthographic engineering drawings for manufacture.
- Make changes to all existing manufacturing and assembly drawings as dictated by the customer requirements.
- Work with the Production Engineers to update documentation in line with production techniques
- Responsible for ensuring to remain familiar with current practices and engineering trends within the industry and to remain technically competent
- Met deadlines set by the lead engineer and focused on designing sustainable prototype designs for MV switchgears.
- Showed leadership skills by conducting various mechanical endurance tests for the switchgear and manage a team of four members
- Used problem solving skills to bypass obstacles when assembling prototype to actual model without causing the prototype to fail or re-design the component
- Prepared training material used by TTDA for Switchgear training purpose which covers aspects such as Safety Features, Design / Structure and Site Preparation & Installation

Contact: Referees will be shared upon request

SKILLS

Python3 AutoCAD Autodesk Inventor

Siemens NX 10.0 Team leadership

Critical Thinking MS Office MySQL

ANSYS Workbench

PERSONAL PROJECTS

Design optimization and finite element analysis on cold rolled mild steel hook under tensile loading (11/2017 – 05/2018)

- Generate Orthographic designs of the existing fan hook in Autodesk Inventor
- Import the 3D model into ANSYS and run a simulative analysis on the hook and record the mechanical properties of the hook
- Design three various designs which increase the tensile capabilities for the specific application of the hook
- Fabricated the chosen design to be tested in the real world application
- Suggested design was able to withstand higher tensile stress (greater than 450 N) hence my final year project was a success. Additionally, I was informed by my lecturers that they are currently using my design in a different module which tests the tensile strength of various aluminum S links designs.

Financial Data Analysis and Visualization using Python (03/2019 – Present)

- using HTML, CSS and Python library to create an interactive web app that creates a candlestick chart by extracting data from Yahoo Finance and displays it on the webpage in real-time.
- Intentions with this project was to gain hands on experience using Python for finance and using mathematics for finance.
- Gained experience in front-end development.

LANGUAGES

English
Native or Bilingual Proficiency

Hindi
Professional Working Proficiency

Arabic
Elementary Proficiency

French
Limited Working Proficiency

INTERESTS

Technical Sales 3D CAD/CAE

Web App Development 3D Model Analysis

Data Analysis & Visualization Manufacturing