

Afaq Ahmed

Fresh Mechanical Engineer

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[Afaq Ahmed](#)

Profile

I am a self-motivated, professional and passionate to carve a career with constant growth in the web development field and work for the betterment and well-being of the people. I am the very beginner in this field But I am a good learner and have good analytical skills.

Education

- B.E** Mechanical Engineering, UET Lahore Scholarship Holder, CGPA **3.61** (October 2018 - May 2022)

Certifications

- 'Sustainability Strategies' online course offered by LinkedIn
- 'Learning Excel: Data Analysis' offered by LinkedIn
- 'Creating High Performance Culture' offered by LinkedIn
- 'Stress Management online' course offered by LinkedIn

Skills

- MS Excel (Analytics)
- Team Building and Team Working
- HTML (Basics)
- Github
- CSS (Basics)
- Integrity and Ethics

Projects

Improving the efficiency of an industrial-scale steam turbine using AI tools Final Year Project

- We exploited AI based framework contributing to non-zero goal from energy sector.
- Various data visualization techniques proved that the quality of the data was crucial for developing AI models.
- Parametric study and NLP based optimization analysis are performed.
- It is estimated that the HP turbine efficiency can be improved by 1.43 %, 5.09 %, and 3.40 % as compared to its average operational value for Half Load, Mid Load, and Full Load power generation modes respectively.
- A significant reduction in CO₂, SO₂, CH₄, N₂O, and Hg emissions is also estimated.

Environmental and Enviro-economic Assessment of a Gasoline- (G)92 Fueled SI Engine at Partial Load

May 2019

- Worked in a group of 5 members to perform the environmental and enviro-economic analysis of SI engine.
- Out of the observations made, the maximum environmental damage is done by 6.48445 (tCO₂/year) at expense of 53.6920 (USD/year) respectively with Brake Power (BP) of 5.7063 (kW) and specific fuel consumption of 0.39435 (kg/kWh) at an rpm of 4500.

A simple responsive website using HTML5 and CSS3

- It is a simple one-page responsive website of easy bank.

Extra-Curricular Activities

Events Organizing and Management Skills

Campus Secretary @ UET Tribune (2019-2020)

- Organized 5 online webinars on the topics of time and management skills.
- Organized Alumni Reunion event with the team of around 25 members
- Organized Campus Diaries event with the team of around 15 members

Energy Conservation and Plantation (ECaP)

- I organized the one-week long event including information desk, seminar, quiz and awareness walk regarding energy conservation and plantation. I managed the team of 160 students in this event