

Mueez-ul-Haq

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## Introduction:

## Education:

- BSc. Mechanical Engineering at University of Engineering and Technology, Lahore. (2019-present)  
CGPA: 3.825 (three times Dean's Honor Roll).
- FSc. Pre-Engineering at BISE-GRW. (2017-2019)  
Grade: A+.
- Matriculation with major in mathematics and biology at BISE-GRW. (2015-2017)  
Grade: A+.

## Achievements:

- Working as Deputy Director Technical Section at ASHRAE Student Body, and directing following projects as a leader:
  - MATLAB simulation of a constant-RPM reciprocating engine using ideal gas as a working fluid.
  - Designing and manufacturing of a miniature jet engine.
- Managed an online competition as well as designed and tested problems related to structural analysis.
- Worked on following semester projects:
  - Overhaul of a Nissan L26 1.6L 6I engine.
  - Force and stability analysis of a generic ship crane.
  - Design and structural analysis of a reinforced-concrete passenger bridge.
  - Design and structural analysis of an overhead gantry crane.
  - Design and manufacturing analysis of a jet engine compressor.
- Worked on following side projects:
  - Designing and testing of a proof-of-concept de-centralized grid computing network.
  - Simulating a spur gear-train.
  - Comparing the dynamics of a slider-crank mechanism with a scotch-yoke mechanism.

## Skills:

- Workshop skills (metalwork, woodwork, welding).
- Excel with VBA (honors certification from University of Colorado Boulder via Coursera).
- Siemens' TechnoMatix Plant Simulation.
- PLC Automation.
- C/C++/Assembly programming with experience in Arduino development.
- MATLAB.
- MathCAD.
- EES.
- Freelancing (certification from DigiSkills).
- Content writing (certification from Digiskills).

## Extracurricular:

Competitive Clash Of Clans player; hobbyist chess and basketball player; hobbyist writer and poet.