

# Asfand Yar Javed

[asfandjaved009@gmail.com](mailto:asfandjaved009@gmail.com) +923366222074  
House# 66/A, Garden Road, Rawalpindi Cantt,  
Pakistan

## Objective

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To seize an opportunity where I can be innovative and attain a challenging position by exercising my professional skills to the fullest for the betterment of the organization.

## Education

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<b>BS Mechanical</b> <b>2014 – 2018</b>	<b>Capital University of Science and Technology</b> (Internal Combustion Engines, Refrigeration and Air Conditioning, Power Plants, Control Engineering, Mechanical Vibrations, Heat and Mass Transfer, Machine Design, Manufacturing Processes)	<b>3.24/4.00</b>
<b>HSSC</b>	<b>F.G Degree College Peshawar Cantt.</b>	

## Projects

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- **Design and Development Micro Needles Liquid Dose Injection** (Final Year Project)  
(The project emphasizes on how the newly devolved hollow micro needles can be used to infuse drugs into a human skin.)
- **Heating and Cooling Load Estimation**  
(Analyzed the heating and cooling requirements of a building to suggest a suitable centralized HVAC unit)
- **Sump Pump System**  
(Designed and analyzed a pumping system that can pump water out of the basement of a house using a sump pump system)
- **Automated Car Parking System**  
(Designed automated car parking system using arduino)
- **Waste Heat Recovery System**  
(Designed and analyzed heat recovery system from flue gasses)
- **Service Stand for an Off-Road Motorcycle**  
(Designed shafts and gear box system for the service stand)
- **Four-Legged Klann Mechanism**  
(Analyzed and built a Klann mechanism for studying four bar mechanism)

## Software and Skills

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- Proficient in ANSYS, Creo, AutoCAD.
- Basic Proficiency in MATLAB, C++, Arduino.

## Experience

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**Central Diesel Locomotive Workshop Rawalpindi, Railways** 30 Aug, 2017 to 12 Sept, 2017

- Hand on learning experience in the field of locomotives.
- A comprehensive technical exposure of diesel engines.

**Pakistan Aeronautical Complex, Kamra** 3 July, 2017 to 28 July, 2017

- Experienced aircraft components fabrication and assembly.
- Learned quality control process for aircraft parts.

## Achievements

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- Secured first position in open house 2018.