

PERSONAL INFORMATION

HASSAN TAHIR, SHAH



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Sex Male | Date of birth 11/03/1995 | Nationality Pakistani

OBJECTIVE

To secure a Mechanical engineering position which will allow me to use my knowledge and problem solving skills for the betterment of the project and further fulfil my responsibilities relating to design and fabrication of mechanical components.

WORK EXPERIENCE/
TRAINING

July – August 2016

Internee (REF. NO. HRD-PD/IC-16795/0105)

Ibn-e-Sina Institute of Technology, H-11/4, Islamabad, Pakistan

- Product drawing inspection and process designation
- Machine operation and predictive maintenance (scheduling)
- Injection moulding process and safety
- Production control
- Workpiece preparation
- Daily report submission
- Internship project (design and automation of induction heating generator)

July – August 2015

Internee (SR. NO.1996)

Pakistan Ordnance Factories, Wah Cantt, Pakistan

- Powerhouse scheduling and maintenance
- Working in production control room (supervision and planning)
- Machine designation with respect to processing requirements
- Jig and fixture making (as per requirement)
- Quality control and safety supervision
- Daily report submission

EDUCATION BACKGROUND

September 2017 – Present

Masters in Computational Science and Engineering, CSE (MS 2years)

3.13/4.00 (78.25%)

National University of Science and Technology, H-12, Islamabad, Pakistan

	<ul style="list-style-type: none"> ▪ Advanced Incompressible Fluids ▪ Advanced Compressible Fluids ▪ Computing for Computational Science Engineering ▪ Computational Linear Algebra and Optimization ▪ Data Analysis and Statistics ▪ Applied Mathematics for Computational Science and Engineering ▪ Boundary Layer Theory ▪ Computational Fluid Dynamics 	
September 2013 – July 2017	Bachelor of Mechanical Engineering (PEC NO. 35848) Air University, E-9, Islamabad, Pakistan <ul style="list-style-type: none"> ▪ 2-D and 3-D mechanical drawings ▪ Power Plant Engineering ▪ Refrigeration and Air Conditioning ▪ Heat and mass transfer ▪ Manufacturing Processes ▪ Mechanics of Materials ▪ Machine Design ▪ Mechanical Vibrations 	2.85/4.00 (71.25%)
September 2011 – July 2013	Higher Secondary School Certificate Punjab College of Commerce, Golra mor, Rawalpindi, Pakistan	701/1100 (63.72%)
September 2008 – July 2011	O ' levels Beacon House School System, Rawalpindi, Pakistan	686/900 (76.22%)

PERSONAL SKILLS

Communication skills	<ul style="list-style-type: none"> ▪ Good communication skills gained through my experience with the WWF Eco-internship program ▪ Good spoken skills and confident speaker ▪ Excellent vocabulary due to the fondness of reading novels ▪ Good leadership skills gained through my experience arranging university excursion trips
Digital competence	<ul style="list-style-type: none"> ▪ Good command of office suite (word processor, spread sheet, presentation software) ▪ Good command of ANSYS (Structural, CFX and Fluent) ▪ Proficient user of Linux operating system ▪ Strong hold on C++ and Java programming

ADDITIONAL INFORMATION

Industrial Visits	<ul style="list-style-type: none"> ▪ Bestway Cements Ltd ▪ Ghazi-Barotha Hydropower Project ▪ KSB Pumps Company Ltd ▪ Heavy Mechanical Complex ▪ Heavy Industries Taxila
Projects	<ul style="list-style-type: none"> ▪ Pakistan Council Renewable Energy Technologies ▪ The Land Air Water Robot (final-year project) ▪ Wall climbing robot (machine design semester project) ▪ Design and fabrication of Geneva mechanism (manufacturing process semester project) ▪ Calculation (cost, scale) and analysis (thermodynamic) of a proposed Power Plant (power plant engineering semester project)
Conferences	<ul style="list-style-type: none"> ▪ Renewable and alternative energy exhibition and conference 2017