

# Curriculum vitae

## PERSONAL INFORMATION

Mohammad Ihsan



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🛂 **Pas sport Number** BA1 1 12702

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💬 **Skype** muhammad.ihsan75

**Sex** Male | **Date of birth** 4 May 1992 | **Nationality** Pakistani

## JOB APPLIED FOR

Electrical engineer

## WORK EXPERIENCE

2 Mar 2016–31 Aug 2016

### Trainee Electrical

KPK HYDEL Development Organization (PHYDO) at 36.6MW Daral Khwar Hydro power complex (DKHP), Bahrain Swat (Pakistan)

- Construction related analysis of power house
- Electric wiring of internal power house
- Installation of grounding copper wire
- Installation generators
- Good relation with employees

1 Oct 2015–29 Jan 2016

### Training Internee Electrical

AFI-NORINCO J.V at 81MW Malakand III Hydro power complex, Dargai Khyber Pakhtunkhwa (Pakistan)

- Learning of practical concepts of electrical instruments and equipment
- Understanding the working phenomenon of power generation, transmission and applied control modules.
- Maintenance of generator
- Good relation with employees

## EDUCATION AND TRAINING

5<sup>th</sup> Mar 2017–15<sup>th</sup> Mar 2019

### Master of Science in Electrical Engineering MS(EE)

CGPA 3.59/4

COMSATS University Islamabad, Abbottabad Campus (Pakistan)

<http://www.cit-atd.edu.pk/>

- Advanced Power System Analysis
- Advanced Power Electronics
- High Voltage Engineering
- Sustainable Energy
- AC/DC drives
- Power and energy management
- Very Large Scale Integration (VLSI) Design
- Advanced Digital Design

Sep 2011–Jul 2015

## Bachelor of Science in Electrical Engineering BS(EE)

CGPA 2.98/4, ICT  
R&D Scholarship  
Scholar

COMSATS University Islamabad, Attock Campus (Pakistan)

<http://attock.comsats.edu.pk/>

### Major Subjects:

- Introduction to Power
- Electronics I & II
- Control System
- Digital Logic Design
- Digital System Design
- Applied Physics for engineers
- Thermodynamics and mechanics
- Electric Circuit Analysis I & II
- Calculus I & II
- Ordinary Differential equation
- Linear algebra.

Apr 2009–Apr 2011

## Higher Secondary School Certificate

66.54% marks

Government Post Graduate Jahanzeb College, Saidu Sharif Mingora Swat (Pakistan)

<http://www.jc.edu.pk/>

Pre-Engineering

Apr 2007–Apr 2008

## Secondary School Certificate

78.11% marks

Swat Public School and College, Mingora Swat (Pakistan)

Science

## PERSONAL SKILLS

Mother tongue(s)

Pashto

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A2	A2	A1	A2	A1
Urdu	B2	C1	B2	B2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained during my academics

Organisational/ managerial skills

- Leadership
- Good team-leading skills
- Good command of quality control processes
- Monitoring skills

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## Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Proficient user	Independent user

### Digital skills - Self-assessment grid

- Good command of office suit (word processor, presentation software, excel)
- Good command on software tools (MatLab, Graphical user interface, Simulink.)
- Good command on hardware (Arduino kit and FPGA)

## ADDITIONAL INFORMATION

### Honours and awards

Got **ICT R&D** full funded merit and need based **Scholarship** for **BS (EE)**  
Got **Prime Minister Fee Reimbursement Scheme** tuition fee **Scholarship** for **MS(EE)**

### Research area

Optimal Reactive Power Support for Power Networks as a title of master research project

### Academics Projects

- "Multi-function Industrial Monitoring and Control System" as a title of final year bachelor project.
- "DTMF Controlled Wireless Robot" as a title of semester/mini project.
- "Detection and Testing Meter" as a title of semester/mini project.