SALMAN AHMAD

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Date of Birth: 31st March 1996 Nationality: Pakistani

PERSONAL STATEMENT

An adaptable and responsible graduate seeking an entry-level position at a respected organization to utilize the educational qualifications I've obtained with an initiative to impart something to the great World.

WORK EXPERIENCE

Jul 2017–Sep 2017

Internee Engineer

NESPAK Pakistan (www.nespak.com.pk)

The Internship at NESPAK helped me get a good insight to electrical wiring of Industrial Buildings. I got a chance to assist them on one of their ongoing Projects (New Islamabad Airport). Their workshop on AUTOCAD was very helpful for later designing a home for my parents.

Business or sector Engineering Consultancy

Jul 2016–Sep 2016

Internee Engineer

PINSTECH (Organization of PAEC) (www.paec.gov.pk/RnD/)

The internship at PINSTECH included;

- Implementation of part of Control System of **PARR-1 Research Reactor** in **Siemens S7 series PLC**.
- Development of Test bench for PLC.
- Verification & simulation of various conditions on the system developed.

Business or sector Research and Development

EDUCATION AND TRAINING

Sep 2014–June 2018

BS Electrical Engineering

Pakistan Institute of Engineering & Applied Sciences (PIEAS)
Nilore, 45650 Islamabad (Pakistan)
CGPA: 3.49 on the scale of 4
Major Subjects:
Electrical Engineering General (Circuit Analysis, Basic Electronics, Electricity and Magnetism, Digital Logic Design, Signals and Systems, Control Systems, Measurement and Instrumentation)
Electrical Power Specialization (High Voltage Engineering, Power System Analysis, Power System Protection, Power Generation, Power Transmission and Distribution, Power Electronics)

AUG 2012–April 2014

FSc (Pre-Engineering)

Fauji Foundation College for Boys
New Lalazar, Rawalpindi Cantt
Board: Federal Board of Intermediate and Secondary Education (FBISE)
Marks: 923/1100 (83.91%)

AUG 2010–April 2012

Matric

The Grammar Foundation Higher Secondary School
Peshawar road, Rawalpindi Cantt
Board: Federal Board of Intermediate and Secondary Education (FBISE)
Marks: 935/1050 (89.05%)

JOB-RELATED SKILLS

SOFTWARE'S

POWER RELATED

DigSilent (Thesis License, Final Year Project)

ETAP, PSCAD, POWERWORLD (Project of Power Systems Operation and Control(PSOC) Course on Sustainability & Environmental Effects, Simulation of Contingency of an electrical network of a building(NESPAK))

MATLAB (Masking in Simulink, Development of GUI, Interfacing & Co-Simulation of DigSilent and Python)

ELECTRICAL ENGG, Programming & Microcontrollers

Arduino (Microprocessor $ Inter facing Project: Time Clock, Line Following Robot, Interfacing of Ultrasonic, Biometric, IR, Proximity, Current and Flow Sensors for different projects)

MULTISIM, PROTEUS (Free Lancing) , **ModelSIM** (Digital Logic Design Projects)

PSPICE (Power Electronics Project: Design of Inverter)

Pycharm (Development of Python Program for use in FYP**)**

Qt (Development of Professional Graphical User Interface(GUI))

Visual Studio (Development of GUI: Super Market System using C++)

MECHANICAL DESIGN RELATED

SOLIDWORKS (Design and Simulation of a Robot for NERC Contest)

CREO (Project work in Engineering Drawing Course)

FOR DOCUMENTATION

Microsoft (**OFFICE**, **EXCEL**, **POWERPOINT**)

LATEX (Development of Research papers, Thesis and Project Reports)

PROJECTS

Final Year Project

Integration of Distributed Generation into a Distribution Network: Protection Coordination Aspects (Involves good command on Power System Analysis, Power System Protection, Power Transmission, Distribution & Utilization and Optimization Theory).

Mini Projects

- Over-Current Relay in MATLAB (Code & Simulink)(Protection)
- Time Clock (Micro Controller & interfacing)
- Traffic Control System (Digital Logic Design)
- Radar System Based on Obstacle Detection using Ultrasonic Sensors.
- Biometric / Finger Print Electronic Door Lock
- Motor Current Monitoring using Arduino
- Water Flow Sensing System
- Line Following Robot
- Wi-Fi Controlled Car
- Super Market System (Programming)

Certificates & Memberships

Memberships

- PIEAS Volunteer Society
- IEEE PIEAS Student Branch
- PIEAS Robotics Society

Certificates (Technical & Non-Technical)

- IELTS Test (Score 6.5) (2017)
- PIEAS National Olympiad 2017 (Management Head)
- IEEE Islamabad Section Congress 2016 (Management)
- Blood Donor Jamila Sultana Foundation (2014-2016)
- Microsoft Office Specialist (2016)
- First Aid Workshop (PIEAS)
- Caribou Contest 2013 (1st In Pakistan, 96th in the World)