



MOHAMMAD MAHDI

Electrical and Electronics Engineer

PROFILE

An ambitious and dedicated Electrical and Electronics Engineer with strong technical and practical skills in power system and power system operation and control, power electronics, microelectronics, power system protection, control system engineering and distribution systems.

Known as a person with enthusiasm to learn more, motivated characteristics, able to work under pressure and familiar with the international working environment, graduated from National Institute of Technology Warangal, one of the highest ranked technical universities in India

CONTACT

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ADD:

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Afghanistan

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LANGUAGES

1. Persian – Native
2. English --Excellent
3. Pashto –Very good
4. Hindi –Good

EDUCATION

Bachelor's degree in
Electrical and Electronics Engineering from
National Institute of Technology Warangal (NITW), Telangana India
2016 - 2020
Over all marks: 7.35 CGPA

High School
Mohammad Asef Mayel high school, Kabul Afghanistan
2011 - 2014
Over all marks: 97.37 %

English Diploma
New Star Educational Society, Kabul Afghanistan
2009-2011

PROFESSIONAL EXPERIENCE (PROJECT AND RESEARCH)

National Institute of Technology Warangal
2019–2020
Research project on “Maximum Power Point Tracking of solar PV panels using ANN (Artificial Neural Networks) including partial shading condition”

National Institute of Technology Warangal
09/2019
Seminar on “**Load Control Techniques and Demand side Management**”

YES-II (Youth Entrepreneurship Support II) program conducted by **GIZ**
Six Months of Internship Program
Starting date: 14-Nov-2020 To Present

ETC (European Technology Company)

Position: Intern
Starting date: 19-Jan-2021 to Present

- Design and implementation of SPIS (solar powered irrigation system)
- Design and implementation of PV systems.
- Design of PV systems using PVsyst.
- Design of SPIS (solar powered irrigation system) using PVsyst and LORENTZ COMPASS.

REMARKABLE ACHIEVEMENTS

- Scored 339 out 360 in Afghanistan's countrywide university entrance exam.
- Awarded scholarship by Indian council for cultural relationship (ICCR) to do bachelor of engineering in Electrical and Electronics Engineering at NIT Warangal, Telangana India.

REFERENCES

- Abdul Qadir Noori**
Computer incident response expert at ministry of information and technology
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- Mohammad Jafar Ahmadi**
Electrical engineer at De Afghanistan Breshna Sherkat (DABS)
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- Ahmad Samir Shahsamandy**
Pavement design engineer at ministry of public works
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Email: samirshahsamandy@gmail.com

ELECTRICAL ENGINEERING KNOWLEDGE

- Power system Operation and Control.
- Power electronics.
- Computers and Electronics.
- Power system Protection.
- Drafting and detaining of different drawing for projects and specific subjects.
- Power Quality analysis.
- Harmonics effects and techniques for mitigation.
- Control system Engineering and design of controller.
- Design of PV systems (standalone and Grid connected) & hybrid systems
- Application of equipment, devices and system.
- Design of solar powered irrigation systems.
- Analysis of electrical machines.
- Mathematics and Physics.
- Public safety and security.

COMPUTER SKILLS

- Microsoft office package
- Microsoft Windows
- C++ programming
- Python programming
- MATLAB Simulink
- Multisim
- AutoCAD
- AutoCAD Electrical
- Etap
- Power world
- Mathematica
- PVsyst
- PScad

INTERPERSONAL SKILLS

- Exceptional interpersonal communication, leadership relationship building and networking skills and strong analytical, logical and mathematical skills.
- Ability to communicate with person of various culture.
- Ability to work under pressure and respond to multiple tasks.
- Ability to allocate and review priorities and meet deadlines
- Ability to work in a team environment and experience in public speaking.
- Ability to give professional presentation and approach.
- Ability to analysis and identify the problem and problem solving.
- Excellent ability in management, reporting, strategic planning and execution.
- Well-disciplined knowledgeable, passionate, approachable, caring and hardworking.