

M SAJID ALI

ELECTRONICS ENGINEER /
BUSINESS PLAN WRITER

CONTACT

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- Islamabad, Pakistan

EDUCATION

Msc. Electrical (ML/ Datascience) Engineering

UET Lahore

2016-2019

An accomplished electrical engineer with a Master of Science degree in Machine Learning and Data Science, with proven analytical and technical skills, offers a fully investor-ready business plan.

BS Electronics Engineering

IIU Islamabad

2010-2014

- Circuits and Systems
- Digital Electronics
- Analog and Digital Communication Systems
- Microprocessor Systems
- Control Systems Engineering
- Power Electronics
- Electronic Instrumentation and Measurement
- Digital Signal Processing
- Embedded Systems
- Electronic Design Automation (EDA)
- Electromagnetic Fields and Waves
- RF Circuit Design

LANGUAGES

English

Urdu

PROFILE

Engineer with strong background in Electronic Engineering, adept at executing diverse projects, combining technical expertise with innovative problem-solving. Proficient in hardware and software development, with hands-on experience in embedded systems, microcontroller programming, machine learning, power electronics and business plan writing.

WORK EXPERIENCE

Communications Security Officer (CSO)

Department of Communication Security

2015-2023

- IT Audit
- True Hardware Random Number Generator using Raspberry-pie
- Software and Hardware designing of prototypes
- Crypto System Evaluation
- Official Meetings
- Official Visits related to R&D
- Imparting cypher trainings

BUSINESS PLAN WRITING

- Successfully developed and executed five+ comprehensive business expansion plans for the UK London market, contributing to enhanced market presence and increased profitability.

ACHIEVEMENTS

- ICT R&D Scholarship (BS Electronics Engineering) (2010 – 2014)- This scholarship covered all expenses for my four- year degree.
- Punjab Education Endowment Fund (PEEF) (2009 – 2010)

RESEARCH PAPERS

- Comparison of Feature Selection Methods in Text Classification on Highly Skewed Datasets : Published in IEEE Xplore
- A Novel Inherent Distinguishing Feature Selector for Highly Skewed Text Document Classification: Published in Springer

CERTIFICATES

RESPONSIVE WEB DESIGN

freeCodeCamp Feb - 2023

JAVASCRIPT ALGORITHMS AND DATA STRUCTURES

freeCodeCamp March - 2023

SKILLS

- Operating Microsoft Office suit- Excel / Word / PowerPoint / Visio / Access / OneNote
- Structured Query Language (MSQL)
- Statistics
- C# · HTML · CSS · Application Testing
- Application Development
- Matlab
- Java + Java with Weka Api / JavaFx
- Canva Expert
- FPGA / Verilog HDL / Xilinx
- PLC
- Proteus / Protel / Simulink / LabView / PCB Designing tools
- 3D tools - Pro-E
- Business Plan Development
- Good communication skill
- Able to work in a team
- Great problem solving skill
- Software Documentation
- Requirements Gathering
- Web Designing tools - Adobe Xd / Adobe Photoshop / Illustrator / Express Edition
- OS - Linux / Raspbian
- Frontend Frameworks: Vue, Reacts
- ML & AI
- Python
- Wordpress Website Development
- Video Editing : Adobe Premiere Pro and Filmora

PROJECTS

- Introducing Gesture Based Applications in TV (FYP)
- Controlling the LCD Using the Spartan 3-E board
- True random number generator using Raspberry Pi and Arduino Board
- Design the speedometer of Motor bike using Graphical LCD using MICRO-C and ATMEGA-16
- Desktop applications using java
- Audio Amplifier using BJTs
- PID Controller Using Matlab
- Building a Network for University using Packet Tracer
- Single phase six cycle Cyclo-converter using Thyristors (Power Electronics)
