Curriculum Vitae

MUHAMMAD BILAL SHAIKH
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PERSONAL INFORMATION

Date of Birth:	7-Jan-1994
Email	bilalshaikh_1994@yahoo.com
NIC No.	42201-5732431-3
PEC Registered	

OBJECTIVES

- A reliable, energetic, and highly talented person seeking an Entry-level position in a vibrant and interesting organization that will encourage me to enhance my creative and technical knowledge, and allow me to learn and use innovative new skills and concepts.

EXPERIENCE

Internship 2018 January to March — Spectrum Engineering Solutions, Karachi

EDUCATIONAL BACKGROUND

2014-2017:

Degree:	Bachelor of Engineering In Electronics Engineering 1st Division
FYP Title:	*Design and Development of a semi-autonomous Electric Vehicle for HU campus*
University:	Hamdard University, Karachi, Pakistan.

2011-2013:

Course: Higher Secondary School Certificate (HSSC) Pre-Engineering

2009 - 2011:

Course: Secondary School Certificate (SSC) Science

COURSEWORK DURING BACHELOR OF ENGINEERING

- Industrial Electronics,
- Power Electronics, Electronics (I-II-III),
- Digital Signal Processing, Electrical Machines,
- Communication Systems, Linear Control Systems,
- Instrumentation & Measurements,
- Microprocessors & Microcontrollers,
- Project Management,
- PLC

LANGUAGE SKILLS

English:	Good
Other Languages:	Native *Urdu*.

COMPUTING SKILLS & KNOWLEDGE

Software/Packages:					**Soft Skills:**	
Arduino	PLC	PCB Designing	AutoCad	Proteus	Quick Learner	Honest
Matlab	LabVIEW	MS Office	AVR	Multisim	Attentive	Adaptive
***Languages**:*						
	C/C++	Arduino C				

PROJECTS COMPLETED DURING BACHELOR OF ENGINEERING

Final Year Project (FYP):

Design and Development of a Semi-Autonomous Electric Vehicle for HU Campus

The project is titled as Design and development of a semi-autonomous Electric Vehicle (SA-EV) for HU campus. The project comprises of many tasks, such as, load calculations, motor sizing, battery sizing, defining safest possible performance parameters, designing and 3D modelling of the vehicle on AutoCAD, literature review, market survey, development of cart, manual control of the project for testing, generating the track following algorithm, obstacle detection system.

Term/mini Projects:

- Automatic Water Tank Management System Based on Purity Testing and Level Sensing (course: Instrumentation & Measurements)
- PID Based DC Motor Control (course: Linear Control systems)
- Temperature Controlled Variable Speed DC Fan using AVR microcontroller (course: Microcontroller and Microprocessor)
- FM Transmitter and Receiver (course: Communication Systems)
- Decade Counter (course: Digital Logic Design)

AWARDS AND ACHIEVEMENTS

- **2017:** 3rd prize in Hamdard University Final Year Project competition (PKR 4000 cash prize)
- **2015:** Participated in Hamdard University semester project competition.
- **2014 to2017:** Merit-Based Scholarship for four years.

REFERENCE

Will be furnished upon request.