Hamza Mahmood

Electrical Engineer: **Embedded, Robotics, Automation, IoT, Computer Vision**

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Education:

B.Sc. Electrical Engineering		**UET, Lahore**
GPA: 3.43/4.0		2014-2018
A Levels		**Lahore Grammar School, Phase 5, D.H.A., Lahore**
Grades: 1A* 2A 1B		2012-2014
O Levels		**Ibne Sina College, D.H.A., Lahore**
Grades: 4A* 3A 1B		2010-2012

Experience:

Internships:

Honda Atlas Cars Pakistan Limited	**Cost Control**	Aug 2017
Control Systems Lab, UET	**Robotics & Automation**	Jul 2017
Pakistan Sweet Homes (Orphanage)	**Social Internship (Voluntary Work)**	Jun 2017
Atlas Honda Limited	**Working of HFQ Machine**	Jun 2016
U.E.T. Power House	**Study of CNG & Diesel Generators**	Mar 2016

Projects:

Wireless Autonomous car w/ OCR	**Raspberry Pi 3 | Linux | Python**	Final Year Project, 2017-2018
3 Phase Inverter	**STM | C**	Semester Project, 2018
Inverted Pendulum using BLDC	**STM | C**	Semester Project, 2017
Smart Crib	**Arduino**	Collaboration Project, 2017
Locking/starting car using SMS	**Tiva | C**	Semester Project, 2016
MIPS	**Spartan 3 | Verilog**	Semester Project, 2016
Zener Diode Tester Circuit		Semester Project, 2015
4-bit ALU		Semester Project, 2015
±20 V DC Power Supply		Semester Project, 2015

Co-Curricular Activities:

Chair Robotics and Automation Society (IEEE UET LHR)	2017-2018
Podium prizes in 4 different **project exhibitions**	2016-2017
Co-Chair Industrial Automation Society (IEEE UET LHR)	2016-2017
27th position in Pakistan in **Kangaroo Mathematics**	2011
Campaigned under IKF to provide **for flood victims**	2010
Awarded **gold medal for academic excellence** in school	
Awarded **Human Excellence medal** twice in school	
Appeared in **NTS NAT-IE with 99.9 percentile**	
Member of **football teams in college and University**	

Computer Proficiency

C	Xilinx	BlueNRG-1/2
Java	LaTeX	ESP32
Python	Microsoft Office	Arduino Uno
Verilog	Raspberry Pi 3	Spartan 3
MATLAB	Tiva C	
Proteus	STM	

Interests:

Automobiles | Aviation | Football | Gaming | Informative Documentaries | Reading | Travelling