



## Syed Mohsin Tabba Ovais

16<sup>th</sup> March 1995

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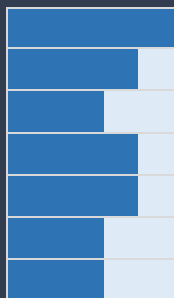
### ABOUT ME

I am a dedicated person. I enjoy reading and learning. The knowledge and perspective that my reading gives me has strengthened my management skills and presentation abilities.

### SKILLS

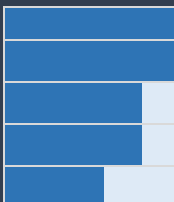
#### WORK

MECHANICAL  
CIRCUIT ANALYSIS  
PROTEUS  
ARDUINO  
ROBOTICS  
SOLIDWORKS  
PROGRAMMING



#### PERSONAL

HARDWORK  
ORGANIZATION  
TEAM PLAYER  
CREATIVITY  
SOCIAL



# SYED MOHSIN TABBA OVAIS

## MECHATRONICS ENGINEER

### EXPERIENCE / INTERNSHIPS

#### ◆ Chief Operating Officer (1 YEAR JUNE 2017 to Present)

##### RADA TECHNOLOGIES

###### Key Responsibilities:

- Team Management
- Business Development
- Product Development
- Technical Reviews
- Technical documentation

RADA is an Industrial Automation based Startup based in LUMS Lahore, the Major Projects of RADA Technologies are listed below.

- IOT Based Home Automation
- Robotic and Graphic Designing Workshops
- Automatic Jallebi Machine
- WASA Tube Well Automation

#### ◆ TELE SALES REPRESENTATIVE (90 DAYS SEP 2013)

##### INTELECT MARKETTING DHA LAHORE

###### Key Responsibilities:

- Call center representative
- Target Based Marketing

It was a UK based firm. Job was to call costumers in UK and market products i.e UK electricity and gas contracts.

#### ◆ INTERNEE (15 DAYS JULY 2012)

##### ATA ENGINE VALVES

###### Key Responsibilities:

- Observing the Mechanical Processes
- Mechanical Projects

ATA Engine valve are the vendors to many of the automobile industry, Designing, Manufacturing, heat treatment of engine valves of many automobiles were executed there.

### EDUCATION

#### ◆ BACHELOR OF MECHATRONICS AND CONTROL ENGINEERING (2014 – 2018)

##### UNIVERSITY OF ENGINEERING AND TECHNOLOGY LAHORE

**CGPA of 3.1** with Major subjects includes control systems, robotics, intelligent systems, embedded systems, machine tools, mechanisms, engineering mechanics, and drawing.

#### ◆ DIPLOMA OF ASSOCIATE ENGINEERING IN MECHANICAL TECHNOLOGY (2010 – 2013)

##### GOVT. COLLEGE OF TECHNOLOGY LAHORE

**84% Marks** with major subjects includes machine tools, drawing, workshop practice, material testing.

#### ◆ MATRIC IN SCIENCE (2008 – 2010)

##### DEFENCE PUBLIC SCHOOL FOR BOYS DHA LAHORE

**81% Marks** with major subjects includes physics, chemistry, computer and mathematics.



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## PROJECTS

- ◆ Regenerative braking system in Cars (Flywheel, Battery charging, Implemented on a simple hardware)
- ◆ 2- axis X-Y CNC Laser Engraving Machine (Arduino, G-codes, Grbl Library, Wood Engraving)
- ◆ Line Follower Robot ( Implementing a PID control on a robot)
- ◆ Automatic Bottle Filling (Conveyor operated filling of bottles and their capping system)
- ◆ Search and Rescue Robot (Battery Operated Autonomous Robot, National Engineering and Robotic Competition held at EME NUST , Path planning of mobile robot, Localization and Indoor Mapping)
- ◆ Humanoid Robot (Inverse Kinematics, Raspberry pi Face Recognition)
- ◆ Home Automations system (Google Home, Amazon Echo)
- ◆ Industrial Automation (PLC Systems)

## AWARDS

- ◆ Winner in Line Following in IEEE Spectrum UET Lahore 2017
- ◆ Winner Air Bot at Air University 2016
- ◆ Best Engineering Design at NERC EME NUST 2016
- ◆ Runner up at Steel Bridge Competition ASCE NUCES Lahore 2015
- ◆ Runner up at Circuit Mania UET Faisalabad Campus 2015
- ◆ Winner Essay Writing Competition UET Faisalabad Campus 2015
- ◆ Runner up at Auto Cad Competition UET Faisalabad Campus 2014

## COMPUTER/ELECTRONICS SKILLS

- ◆ MS Word, Excel, Power Point, Mendeley
- ◆ Solid Works (3D Modelling, Design Analysis, Simulations)
- ◆ Arduino, Launchpad Tiva-C(Arm Cortex), IDE, PICKIT
- ◆ Mach3 Industrial CNC Controller
- ◆ MATLAB (Peter Corke Robotics, Simulink, SimMechanics )



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