

## Khuram Shahzad Khan

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### ACADEMIC QUALIFICATION

2018	<b>BS Electrical Engineering</b> COMSATS University Islamabad Wah campus		
	CGPA	3.02	
2014	<b>HSSC (Bise Sargodha)</b> <b>Subjects:</b> Physics, Maths, Chemistry Jinnah Public Boys Higher Secondary School, Kallurkot (Bhakkar).		
	Marks	796/1100	Grade A
2012	<b>SSC (Bise Sargodha)</b> <b>Subjects:</b> Physics, Maths, Chemistry, Computer Science Govt, High School Bala (Mianwali)		
	Marks	880/1050	Grade A+

### TECHNICAL EXPERIENCE/WORK EXPERIENCE

#### Internship at Pakistan ordnance Factory (POF)

The Pakistan Ordnance Factories (POF) is a major firearms, defence contractor, and military corporation headquartered in Wah Cantt, Punjab, Pakistan. It is "the largest defence industrial complex under the Ministry of Defence Production, producing conventional arms & ammo to international standards.

#### **Key Responsibilities:**

- Focus on continual working activities.
- Study and perform Job related procedures.
- Reduce the total process time by removing unnecessary job movements.
- Responsible for process and product accuracy.

### FINAL YEAR PROJECT

#### Real Time Huanglongbing Detection System

#### **Description:**

A computer assisted decision (CAD) system provides quantitative and objective evaluation of the Huanglongbing (HLB) Disease. This research is mainly focused on the computer vision perspective to design a CAD system which will facilitate farmers. A complete pattern recognition system that includes four vital Stages to conform the analysis of HLB: Real-time field information collection using drone, Pattern recognition, Graphical User Interface, Embedded system and proper spraying using drone. For real time results Graphical User Interface was designed based on one click display. GUI includes all the feature extraction results of a test image on one click. In the end, display of result that whether a test leaf has a disease or not. Result will be directly configured with embedded system which includes a proper spraying mechanism.

SEMESTER PROJECTS
<ul style="list-style-type: none"> <li>• Tv remote jammer using 555 timer IC.</li> <li>• Automatic door opening sytem using PIR sensor and Arduino.</li> <li>• Automatic fan controller using temperature sensor.</li> <li>• 0-12V DC variable supply.</li> <li>• Water level indicator.</li> <li>• Metal Detector.</li> </ul>
CERTIFICATIONS
<ul style="list-style-type: none"> <li>• <b>CCNA Routing &amp; Switching</b> from CORVIT Systems Islamabad.</li> </ul>
ACHIEVEMENTS/WORKSHOPS/SEMINARS
<ul style="list-style-type: none"> <li>• Our final year project selected by <b>National Grassroot ICT Research Initiative (NIGIRI)</b> and got approved for grant of project budget.</li> <li>• Workshop <b>“Technology Awareness &amp; Virtualization”</b> arranged by <b>IEEE COMSATS University Islamabad Wah Campus</b>.</li> </ul>
TECHNICAL SKILLS
<p><b>SOFTWARE KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>• Microsoft Office Tools such as: Word, PowerPoint, Advanced Excel.</li> <li>• Proteus, HFSS, Matlab</li> <li>• Cisco Packet Tracer.</li> <li>• Proficient in installation and handling of Windows.</li> </ul> <p><b>Hardware KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>• Printed circuit board (PCB),Veroboard.</li> </ul>
LANGUAGES
<ul style="list-style-type: none"> <li>• <b>Urdu</b> (Native): Speaking, Reading and Writing.</li> <li>• <b>English:</b> Speaking, Reading and Writing.</li> <li>• <b>Punjabi:</b> Speaking</li> </ul>
EXTRA CURRICULAR ACTIVITIES
<ul style="list-style-type: none"> <li>• Interacting with new people to get new experiences and know about more cultures and languages.</li> <li>• E-gaming like Call of Duty, Cricket07.</li> <li>• Table tennis</li> <li>• Traveling.</li> </ul>