

MAHAM KHAN

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Enthusiastic Computer Systems Engineer eager to contribute to team success through hard work, attention to detail and excellent organizational skills. I am Motivated to learn, grow and excel in Institutes. The objective is that to work within the well reputed organization, allowing me to utilize my education while gaining valuable work experience in a team oriented environment.



Education

- **Bachelors of Engineering:**

Department: **Computer and Information Systems Engineering**

Graduated in October 2021

From: “**NED University of Engineering and Technology**” - University Road, Karachi.

- **Intermediate**

E.A.B Haroon Bahria Intermediate College for Boys and Girls

A+ (84.5%) Grade in Pre-Engineering Group

Passed in: **2017**

- **Matriculation**

Crescent Public School Campus # 4

A+ (86%) Grade in Science Group

Passed in: **2015**



Work History

Internships

- I have successfully done my internship at “**TPS WorldWide**” in **DevOps** Department.
- During my Bachelor’s period I have worked with **H. Nizam Din & Sons (Private) Limited** (Industrial and Fabric manufacturing Company) in their Database Cleansing Project.
- I also do work in “**WEB Development**” and had developed Word Press Website as an Internship task from Pakistan’s Internship Program-online.



Professional Courses

Course Completed during Bachelor's Degree are:

- Computer Programming (Learned Python using its Editor)
- Object Oriented Programming (Learned PyCharm using Community Editor)
- Software Engineering (Learned about 'MS project' for project management, use Latex Environment for design documentation)
- Microprocessor Based System Design (Learned 8086/8088 intel microprocessors and memory interfacing, also used Proteus for simulation)
- Signals and System (Explore MATLAB for signals implementation)
- Very large Scale Integration (VLSI)
- Digital Logic Design (Circuit Simulation using EWB & Multisim)
- Parallel & Distributed Computing (RMI, REST web services)
- Artificial Intelligence (image processing & machine learning algorithms) using Anaconda Jupyter



Languages

- Python Programming
- Java
- C#
- Html and CSS
- SQL
- Chinese (Basic level)



Software

- StarUML (Drawing and Sketching Prototype)
- Latex Environment
- Matlab
- Android Studio
- WordPress Development

Final Year Project: Light Based Electronic Trap for Pest Control in Agricultural Field

- **Purpose:** To kill pest without pesticides using different light patterns.
- **Implementation:** Trained the Model using Machine Learning(YOLOv3) for real time insect detection and implementing it on RaspberryPi 4



Personal Projects

Following are the Software projects:

- Scientific Calculator using python language
- Restaurant Management system using Python and it's OOPS concepts.
- Coaching Management System using SQL, PHP and HTML.
- Decimal To Binary Conversion and vice versa from user's input (using QT Spim Assembly Language)
- AI Based Insect Detection (using ANN Algorithm with Python)
- Multi Sequence Detector
- Ping Pong LED's State Machine
- Password based Door Lock System using Aurdiono



Certification

- 2018-03-20 **Course Certificate: Digital Marketing**
DigiSkills – Online
- 2019-07-20 **Course Certificate: Freelancing**
DigiSkills – Online
- 2019-08-20 **Course Certificate: Word Press**
DigiSkills– Online
- 2020-03-20 **Course Certificate: Programming Essentials in Python**
Cisco Network Academy- Online
- 2020-08-20 **Course Certificate: HTML/CSS/PHP/WORDPRESS**
Interns Pakistan Program- Online



Interests

The area of interest highlighted mostly about:

- Big Data & Distributed Computing.
- Android & Web Based Application Development.
- Database Management System.
- Graphic Designing.