

MUHAMMAD BILAL YOUNIS

Software Engineer

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OBJECTIVE

Seeking software engineer position in a fast-paced environment that will give me the opportunity to apply and improve my skills and abilities for the organization as well as to improve the level of expertise along with the organization objective.

EDUCATION

University of Engineering & Technology, Lahore

Bachelors in Computer Engineering

Department of Computer Science & Engineering

Sep 2016 - June 2020

CGPA: 3.144

EXPERIENCE

– **Teaching Assistant**

University of Engineering & Technology, Lahore

Wireshark, ping, tracert, Cisco Packet Tracer, whois, host, nslookup

Python Network Programming

Apr 2020 - Aug 2020

– **Penetration Tester**

KICS-Internship

DHCP & DNS Implementation on Linux

Contribution in HTTP Throughput Network Application

Firewall Pentesting

IP Camera Pentesting

June 2019 - Aug 2019

SKILLS

- C/C++, Python, C#, SQL/MySQL, Java, PHP, Ruby
- HTML5 & CSS3, JavaScript, Ruby On Rails, Heroku
- Metasploit, Nmap, Git, John the Ripper, thehydra, Netcat, Cisco Packet Tracer, Wireshark, ncrack
- Linux Mint, Red Hat Enterprise Linux, MacOS, Centos7, Kali Linux, Ubuntu

FINAL YEAR PROJECT(FYP)

- **IoT Vulnerability Assessment(IVA):** Python-based command-line tool with NOSQL mongodb database, made especially for security professionals and network engineers. It takes an IP address of IoT device and display vulnerabilities of that device with their CVE-ID, Level, Device type and their description. It can also bypass firewall rules.

PROJECTS

- **Hotel Management System:** Java-based project in which we made console application where we managed modules related to it.
- **Billing and Recurring Payment System:** Ruby On Rails based web application in which I managed the plans and features for buyer available from admin.
- **Hog Game:** Python-based game in which GUI was already provided and we have to handle that GUI and write backend code in python.

- **Mushroom Deep Learning Project:** Python-based deep learning project in which we check whether a mushroom is capable of eating or not using Artificial Neural Network.
- **Hand-Written Digit Recognition using ANN:** Python-based project in which we used MNIST Dataset and got 96.78% accuracy using Artificial Neural Network.
- **8-bit Computer:** An 8-bit computer using gates(AND, OR, NOT, NAND, NOR) on breadboard. No programming was involved. Everything was manual and hardware based.
- **A Tour And Guide to Gilgitbaltistan:** A web-application on C# MVC in which foreigners register before coming to gilgit and we give facilities of all kind from food to living.

WORKSHOPS & SEMINARS

- Machine Learning and Artificial intelligence Seminar Organized by Fast Technologies
- HTML and CSS Workshop Organized by Society for Advancement Of Computing (SAC)
- Network Security Workshop Organized by Al-Khawarizmi Institute of Computer Science (KICS)
- EMERGING SECURITY CHALLENGES OF IOT DEVICES WORKSHOP organized by National Center for Cyber Security (NCCS) & IoT Research and Innovation Lab (IRIL) in collaboration HUTIC Team
- Getting Started with Github workshop by Local Hack Day
- Tech Entrepreneurship by Local Hack day
- Quality Assurance with Automation Engineering Session Organized by IET On Campus UET Lahore
- ReactJS Workshop by Local Hack Day

ACHIEVEMENTS

- Cybersecurity Head in SAC
- CS Chapter Head in IET On Campus UET Lahore
- Cybersecurity Head in IET On Campus UET Lahore
- Organizer in ITEC UET Lahore
- Logistic Head in SAC

CERTIFICATES

- **Programming Foundations: Fundamentals**
LinkedIn
- **Succeeding in Web Development: Full Stack and Front End**
LinkedIn
- **Python(Basic)**
HackerRank
- **Programming for Everybody(Getting Started with Python)**
Coursera
- **Python Data Structures**
Coursera
- **Using Python to Access Web Data**
Coursera

- **IT Security Foundations : Core Concepts**
LinkedIn
- **Ethical Hacking - SQL Injection Attack**
Udemy
- **Penetration Testing and Ethical Hacking**
Cybrary
- **Google Technical Support Fundamentals**
Coursera
- **Google Operating Systems and You: Becoming a Power User**
Coursera
- **Google The Bits and Bytes of Computer Networking**
Coursera