

Muhammad Hamza

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OBJECTIVE

Seeking for a Software Developer position in a fast growing organization to utilize expertise in software development and testing, as well as deployment and support using agile development methodologies. Coming with well-honed skills in computer science and more than 2 year's hands-on experience in Software Industry, and addition to excellent communication skills.

SKILLS

- **Skilled in** C/C++, JAVA, Python, MATLAB, Verilog, INTEL Assembly, Prolog, Design Patterns, Visual Studio.
- **Skilled in** OpenCV, TensorFlow, Keras, Streamlit (Py Lib), SQL, MySQL, Redis, Eclipse, Android Studio, XAMP.
- **Skilled in** HTML, CSS, Bootstrap-4, JavaScript, GoJS, JQuery, PHP, AngularJS, NodeJS, Django, Django Rest Framework,
- **Skilled in** Computer Networking, AWS Service, Linux (Ubuntu, Fedora), Latex, Shell Scripting, Git/Github

EDUCATION

Bachelor of Science (Honors), Computer Science **2016 – 2020**

- **Namal Institute Mianwali, Pakistan** **CGPA: 3.40**

Major Courses: Object Oriented Programming, Object Oriented Analysis & Design, Data Structure, Analysis of Algorithms, Data Mining, Artificial intelligence (AI), Machine Learning, Computer Vision, Computer Networking, Database Systems, Software Engineering, Operating System, Mobile Application & Development, Theory of Automata, Computer Organization & Assembly, Digital Logic Design, Numerical Analysis, Project Management.

Intermediate in Computer Science (ICs) **2014 – 2016**

- **Board of Intermediate & Secondary Education Lahore, Pakistan** **Grade: A**

Matric in Science, Computer Science **2012 – 2014**

- **Board of Intermediate & Secondary Education Lahore, Pakistan** **Grade: A**

PERSONAL PPROJECTS

- **Autonomous Checkout System (FYP):**
 - The objective of this project is to provide retailers with a computer-vision based system that keeps track of buyers and items they pick up in order that the customers may be charged rightly and save the retailers from shoplifting. (TensorFlow, OpenCV, Django, Django Rest API's, JavaScript, CSS, HTML)
- **OCR (Multi Digits Recognition System):** MDRS using CNN, Test on Own Hand Written Dataset. (Python)
- **Hand Written Digits Recognition:** A Single Hand Written Digits Recognition using KNN, SVM, etc. (MATLAB)
- **Detect Actor from a Video:** Detect an actor from each video frame using CNN model. (Computer Vision, Machine Learning, Streamlit)
- **Face Recognition:** Computer Vision based Face Recognition Algorithm using Evolutionary Theory ANN.
- **Family Chat Bot:** Natural Language Processing, a small family chat bot using Prolog.
- **Case Based Reasoning:** I have Implement a CBR for solving new problems based on the solutions of similar past problems (Python, Machine Learning).
- **Home Security System:** An IoT based System, we have to used Sensors. (IoT, Arduino, Web & Mobile App, Firebase, MySQL, Java Socket Programming).
- **Kissan Dost Mobile App:** A platform for Farmers to sell Crops, Fruits etc. Android User's (Hackathon)
- **Sakhi Music Player:** Sakhi Music Player play mp3 music for Android User's.
- **Azan Nursery:** A complete Website for Azan Nursery using (HTML5, CSS, Bootstrap, JavaScript, PHP, MySQL)
- **Irfan Computers & Composing Center:** A complete website for shop marketing using (HTML5, CSS, Bootstrap, JavaScript, JQuery, PHP, MySQL)
- **Green.com.pk:** An online platform for All Pakistani Nurseries to sell their products like Daraz.pk (Start-up, PHP).
- **A Paint Application:** A complete paint application (Design Patterns, Java, Swing).
- **Quick Fix:** Desktop Application, a system has different maintenance services (Design Patterns, Java, Swing).
- **Hospital Management System:** Desktop App for Tasneem Hospital to manage patient record, medicine record, finance, and Doctors Details (HML5, CSS, JavaScript, PHP, MySQL).

- **Medical Store Inventory System:** A small inventory system for medical store to manage medicine record (Java).
- **Computer Networking:** Implementation of DNS Server using TCP & UDP protocols (Java Socket Programming).
- **Linux Kernel Module:** A small Kernel Module to store data in kernel space using Linked list (Linux, C Prog).
- **Line Tracking Zumo Robot:** We have programmed a Zumo Robot using Arduino to track line (C Programming).
- **Chess Game:** A chess implementation using C++ and OOP concepts, GUI made using SDL 2D library.
- **Tic Tac Toe:** Game in C++ which is fully intelligent in which human can never beat computer.

WORK EXPERIENCE

- **Full-Stack Developer at Hoboetech** **11/20 – Present**
- Hoboetech (Your Technology Partner), 13 K commercial Model Town, Lahore Pakistan.
- **Associate Developer at Koraspond** **05/20 – 10/20**
- Koraspond – 360° Digital Marketing Agency in Jeddah, Saudi Arabia.
- **Internship, CloudBuild On, AWS** **01/20 – 04/20**
- CloudBuildOn is USA based company on AWS services, United States.
- **Director of Training, Namal Open Source Society** **06/18 – 01/20**
- Namal OSS aims to promote the use and development of open-source- based software idea projects which are useful for the community inside and outside Namal Institute.

HONORS AND AWARDS

- PEEF (Punjab Educational Endowment Fund) Scholarship Holder (2016 – present)
- Merit Based Scholarship at Namal Institute Mianwali for BSCS (2016 – present)
- Pure Merit Based Laptop from CM Punjab Youth Initiative Program (2017)
- Winner of Namal Robo Tech-2019
- Programming Competition Winner (2017 & 2019)
- Certificate of 2-Days workshop on Security at COMSATS University Wah Campus, Islamabad.
- Certificate of completing Namal Door-to-Door and Brick Campaign at Lahore with Namal Education Foundation.

EXTRA CURRICULAR ACTIVITIES

- Director of Training in Namal Open Source Society (06/2018 – 11/2019)
- Head of Education Wing in Namal Society for Social Impact (3 months)
- Marketing Director in IEEE Namal Student Branch (12/2016 – 12/2017)
- Volunteer (Marketing & Management) Team Namal Education Foundation (6th & 7th Convocation at Namal)
- Work Study Program with Computer Science Department at Namal

REFERENCES

Dr. Muhammad Hussain (PhD, Japan)

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