

Iqan Shaikh

Citizenship : Indian • Date of birth : 12 Oct 1993

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Objective

To work in a meaningful and challenging position that enables me to develop myself as a professional and permits scope for advancement.

Key Skills

Proficient or familiar with a vast array of programming languages, concepts and technologies, including:

C,C++
Assembly
Embedded Systems

Linux, Embedded Linux
OpenCV
VHDL

Multisim, PSIM, PUFF
MATLAB, KEIL IDE
MS-Office

Android, Eclipse
HTML 5, CSS
JavaScript, XML

Education

- | | | |
|-------------|---|--------------------------------|
| 2015 | B.Tech with specialization in Elec. & Comm. Engineering
<i>Institute of Technology, Nirma University, Ahmedabad, Gujarat, India</i> | (Distinction, 7.3 CGPA) |
| 2011 | Shri Vidyanagar High School (G.S.E.B)
<i>Usmanpura, Ahmedabad, Gujarat, India</i> | (Distinction, 86.6 %) |
| 2009 | Shri Vidyanagar High School (G.S.H.S.E.B)
<i>Usmanpura, Ahmedabad, Gujarat, India</i> | (Distinction, 89.5 %) |

Training

- **“Trainee at MASIBUS Automation & Instrumentation Pvt. Ltd., Gandhinagar.”** (2014)
Training in production department. Analysing the product fitting, testing, final testing, calibration. Resolving faults in products. In detail study and experience of products like 85XX ,85XX+ scanner and PID controller.

Academic Projects

- **“Robust Object Tracking using OpenCV Python on Raspberry PI.”**
Tracking a particular object in live video streaming from camera using OpenCV libraries. Using computer vision libraries and programming in python language track object using different features like size, color, etc. And finally implementation of codes in Raspberry Pi board.
- **“Human Activity Recognition.”**
Video processing application where human activities are recognized using MATLAB software. As a part of preprocessing, video is extracted into frames and using that human bodies are extracted by methods. At last using feature extraction algorithm actions are determined.
- **“Digital Alarm Clock using 8051 Microcontroller.”**
Interfaced Real Time Clock with 8051 microcontroller. Using microcontroller and 16x2 LCD, time was displayed on screen with some options to set alarm and time.
- **“4x4 Keypad Matrix Scanner on FPGA kit.”**
Keypad scanner design implementation on FPGA kit programming in VHDL. A 4x4 keypad with input and selection lines that can be used as input with minimum wirings.
- **“Fabrication of Fractal Antenna.”**
Simulation of Fractal Antenna (1 GHz) in Ansoft;s HFSS software, designing of hardware and verification of the same using Vector Network Analyzer (VNA).

- **“Basic Android Application for Timetable.”**

For educational purpose, a simple timetable application developed in Android development tools with Eclipse IDE. Application programming was done in Java and scripting in XML.

- **“Schmitt Trigger for Square Wave Generator.”**

Schmitt trigger is a configuration for square wave generator at different frequencies using OPAMP 741. Giving input sine or triangular wave, square wave is generated at output.

- **"Keyboard – Software Musical Instrument in MATLAB"**

MATLAB is a digital signal processing toolbox providing many facilities. A layout of keyboard was created and the buttons were assigned to produce particular sound signal that worked as a musical keyboard.

- **"IR Remote Controlled Bulb"**

Using a simple TV remote a light bulb can be controlled using this circuit. IR sensor with LM311 and relay circuit used to detect IR signal and trip the relay to switch on/off bulb.

- **"Combination Circuit Designing"**

Some small circuit developments on general purpose boards and PCBs. Basic circuits like subtractor, adder, logic gate circuits, etc.

- **“Performed Beta-Testing for many Android Applications, Kernels & ROMs.”**

As an XDA Developer Community member, helped with alpha-testing & beta-testing of many Applications, Kernels, and ROMs developed by recognized developers across the globe.

Hobbies

- Travelling
- Reading
- Photography
- Listening music
- Discovering

Co-Curricular Activities

Won prizes and certificates apart from actively taking part in various fields as mentioned below :

- ✓ Participated in All India Inter-University Badminton Tournament
- ✓ Champion of U-19, School Games Badminton Tournament, Ahmedabad
- ✓ Participated in State-level Badminton Tournament representing Ahmedabad
- ✓ Other Events (Football, Table tennis, Drawing)
- ✓ Adventure, Mountaineering and Camping
- ✓ LAN gaming event participation and organization

Languages

English (proficient)

Hindi (fluent)

Gujarati (fluent)

Strengths and Weaknesses

Strengths - Optimistic, Diplomatic, Disciplined, Supportive, Patient, Independent, Decisive, Determined, Enthusiastic, Imaginative.

Weaknesses – Domineering, Workaholic, Dreamer.