Mohammed Shafiq

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ABOUT ME

An Electronics and Communication Engineer looking forward to work in an organization that would help me to improve my professional skills and enhance domain skills while adding value to the organization.

WORK EXPERIENCE

Nabe Al Khobar security co. – Riyadh -12644, Saudi Arabia

City: Riyadh -12644 | **Country:** Saudi Arabia

Electronics Engineer

[01/01/2024 – 30/04/2025]

- Install, configure, maintain network infrastructure (routers, switches and firewalls).
- Create and maintain network documentation of logical network level, physical network design, VLANs, Routing-Protocol.
- Design and implement electronics circuits for consumer electronics.
- Performed testing and validation of electronic phototypes.
- Designing developing and implementing electronics systems and components.
- Troubleshooting and diagnosed complex technical issues using specialized testing equipment, resulting in accurate and timely repair.
- Collaborated with cross-functional teams to ensure product quality and functionality.
- Created and maintained technical documentation.

IQmetric Solutions Private Limited – Mangalore, Karnataka - 575002 , India

City: Mangalore, Karnataka - 575002 | **Country:** India

Electronics Engineer

[04/10/2021 – 30/09/2023]

- Designing embedded systems for machines or electronic equipment.
- Coding and testing embedded systems based on requirements.
- Writing and maintaining system documentation detailing their parts and functions.
- Combining multiple hardware elements to create and install systems.
- Debugged and optimized embedded software for multiple platforms including microcontroller, digital signal
- processors (DSPs) and field-programmable gate arrays (FPGAs).
- PWM based power electronics control and topologies.
- Modeling control design for DC-DC power converters using TI C2000 microcontrollers.

EDUCATION AND TRAINING

Bachelor of engineering

Visvesaraya Technological University [07/07/2017 – 28/07/2021]

Address: Jnana Sangama, VTU main road vtu machhe, belagavi, Karnataka , 590018 Belagavi (India) | **Website:** https://vtu.ac.in/ | **Field(s) of study:** Electronics and Communication Engineering | **Final grade:** 3.24 GPA | **Thesis:** IOT Based Smart Billing System

LANGUAGE SKILLS

Mother tongue(s): Beary

Other language(s):

English	**Hindi**
LISTENING C2 **READING** C2 **WRITING** C2	**LISTENING** C2 **READING** C2 **WRITING** C2
SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2	**SPOKEN PRODUCTION** C2 **SPOKEN INTERACTION** C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

C/C++ Programmer / Verilog HDL / SQL (MySQL) / • Xilinx / Microsoft Office / VLSI

SOCIAL AND POLITICAL ACTIVITIES

IEEE Member

Participated in VAYUYANA v3.0, conducted by Team AIREINO, 2019

Participated in Low Power Design Techniques for Digital Circuits, organized by IEEE Circuits and Systems Society Bangalore, 2020

Participated in Application Security-Vulnerability Assessments (SFNOS 909),2021

PROJECTS

[07/10/2020 – 05/06/2021]

IOT Based Smart Billing System The main aim of our project is to reduce the time spent during the wait in queue at the billing counter. By using RFID technology, we are able to scan multiple items at a given time. Generating the e-bill automatically and sending same to the customer. Due to generation of e-bill, the paper is not used for billing which in turn contributes to the conservation of trees.

CREATIVE WORKS

[05/03/2021 – 04/04/2021]

Internship An introduction to Programming the IOT - Specialization Course

The specialization course was very effective and helpful in developing the knowledge on Internet of Things and other IoT technologies. The specialization covers embedded systems, the Raspberry Pi Platform, and the Arduino Environment for building physical world. There are many opportunities and careers after learning about Internet of Things. Was able to develop mini projects and also compare different tools used in Internet of Things with one another to decide the best one to give the desired result. A life time knowledge gained with the corporate experience.

ORGANIZATIONAL SKILLS

Certified on “Interconnecting Cisco Networking Devices: Accelerated (CCNAX) 3.0”,2017

Certified on “An introduction to Programming the IOT” Specialization course, Coursera, 2020

Certified on “Step into Robotic Process Automation” GUVI’s RPA SKILL-A-THON, 2020

Certified on “ Digital Manufacturing & Design”, Coursera, 2020

Certified on “Cybersecurity Compliance Framework & System Administration”, Coursera, 2020