



Sarath Krishna Vommina

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ABOUT ME

I am a punctual and motivated individual who is able to work in a busy environment and produce high standards of work. I am an excellent team worker and am able to take instructions from all levels and build up good working relationships with all colleagues. I am flexible, reliable and possess excellent time keeping skills.

WORK EXPERIENCE

Engineer Trainee

Cognizant Technology Solutions [13/03/2018 – 11/09/2018]

City: Pune

Country: India

- Create and manage DHCP and DNS
- Manage groups and user permissions using Active Directory
- Windows server management
- Linux server management
- Networking at infrastructure level
- Ticket solving and troubleshooting using Netcool
- Handling international calls

PLC Software Programmer(Intenship)

Mosaic Srl [03/05/2021 – Current]

City: Sora

Country: Italy

- Study the requirements of the client in automating industry
- Analysing electrical circuits
- Programming PLC using Ladder Logic
- Configure networks for PLC
- Siemens TIA portal
- TecnoMatrix Plant simulation

EDUCATION AND TRAINING

Masters in Telecommunications Engineering

University of Cassino & Southern Lazio [08/10/2018 – Current]

Address: 03043 Cassino (Italy)

<https://www.unicas.it/>

Level in EQF: EQF level 7

- Information theory
- Digital signal processing
- Electromagnetic waves
- Instrumentation and measurements
- Advanced communication networks
- Antenna and wave propagation
- Digital communication
- Telecommunication engineering
- Electronics in communications
- Distributed programming
- Cryptography and cyber security
- Parallel processing

Bachelors of Electronics and Communication Engineering

Geethanjali Institute of Science and Technology [13/07/2013 – 20/07/2017]

Address: 524137 Nellore (India)

<https://gist.edu.in/gist/>

LANGUAGE SKILLS

Mother tongue(s):

Telugu

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Italian

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Hindi

LISTENING B1 READING B1 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

DIGITAL SKILLS

c++ / Java Programming language / TCP/IP L2 Networking / Windows Server Administration / SQL/ MYSQL / Virtualization (VMWare) / XCP-ng / Open vSwitch / Linux / Basic knowledge (HTML5 CSS3) / Googling

CONFERENCES AND SEMINARS

Android application development

[The Sun Technologies]

Workshop on MSP430 Microcontroller

[JNTU Ananthapur]

Internet of things using embedded systems

[Geethanjali Institute of Science and Technology]

PROJECTS

Thesis on Radon gas measurement and data transfer with MQTT protocol using ESP32SIM800L

[Current]

- Connecting all the sensors needed to the ESP board
- Programming the ESP board using Arduino IDE and c++ programming language
- Programmed in ESP board to collect BME280 sensor data and made the values to display on e-paper
- Programmed in ESP board to collect radon gas data and made the values to display on e-paper
- Using thingspeak implemented MQTT protocol to publish and subscribe data of the sensors
- Configured the ESP board to use mobile internet to communicate with the MQTT broker

Theoretical study on OpenvSwitch

- Creating XCP-ng servers on virtual environment
- Monitoring XCP-ng machines using XCP-ng centre
- Creating VLAN clusters in XCP-ng servers
- Establishing a connection between two clusters
- Creating a tunnel for a secure connection between two clusters
- Multiple VLAN communication through a single tunnel
- Making a secure tunnel to communicate in a public network
- Spanning tree

HONOURS AND AWARDS

Achieved 1st prize for paper presentation on Teleportation

N.B.K.R Institute of Science and Technology [14/02/2015]

MANAGEMENT AND LEADERSHIP SKILLS

Student Representative

I am elected as a student representative for Telecommunication Engineering in University of Cassino and Southern Lazio student elections