

ROHIT SHEBINAKATTI

Address: Rishi Comforts Gents Pg,

Opposite to Indian Bank AECS Layout Kundalahalli – 560037

Email ID: rohsh22ece@cmrit.ac.in / rohitshebinakatti@gmail.com

Mobile No: +91-8618176284

LinkedIn: <http://www.linkedin.com/in/rohit-shebinakatti-57bab3259>

GitHub: <https://github.com/rohsh22ece-cmd>



CAREER OBJECTIVE

Aspiring Electronics and Communication Engineer with a strong foundation in Networking, Linux, and Python, eager to contribute to both software development and hardware-driven solutions. Passionate about building innovative systems that bridge automation, IoT, and protocol testing with modern software technologies, while continually enhancing technical, organizational, and problem-solving skills.

EDUCATION QUALIFICATION

- **Bachelor of Engineering – Electronics and Communication Engineering**

CMR Institute of Technology, AECS Layout, Bangalore

8.01, 2026

- **12th Standard – Science**

Government PU College, Guledgudd, Karnataka

87.33%, 2022

- **10th Standard**

Shri J G International Public School, Guledgudd, Karnataka

70.6%, 2020

TECHNICAL SKILLS

- **Programming Languages:** Python, C (Basics)

- **Operating Systems & Tools:** Linux, Bash, Visual Studio Code

- **Software:** MATLAB, Multisim, CAD, Keil microvision 485, Arduino, Raspberry pi

- **QA & Automation Tools:** PyTest, Scapy, tcpdump

PROJECTS**Automated 4G/5G Network Protocol Testing Framework**

- Designed and implemented a Python + Linux based QA automation framework for validating 4G/5G RAN protocols.
- Automated TCP/UDP connectivity checks, latency injection, and basic handover scenarios, reducing manual effort by ~70%.
- Integrated packet capture and analysis with Scapy/tcpdump and PyTest reporting for efficient test validation.
- **Tech Stack:** Python, Linux , Scapy, tcpdump, PyTest, Bash

AQUATWIN – A Digital Twin Framework for Early Water Contamination Detection

- Created an IoT-based digital twin system for real-time monitoring of water quality parameters.
 - Integrated sensors (pH, TDS, turbidity, temperature) with Arduino Mega and GSM module for alerts.
 - Enabled predictive analysis and anomaly detection for safe water supply using data analytics.
 - **Tech Stack:** Arduino Mega, IoT Sensors, GSM Module, Arduino IDE
-

INTERNSHIP

Company Name: I2S Technologies Pvt Ltd

Duration: Nov, 2024 – Dec, 2024

Designation: Intern

Roles & Responsibilities:

- Assisted in programming and configuring PLCs for industrial automation

- Set up SCADA software for real-time monitoring and control
 - Integrated PLCs with sensors and field devices for seamless operation
-

CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

Online Courses & Certifications:

- Certified in Python beginner – Udemy
- Certified in Cybersecurity Analyst job Simulation - TATA Group
- Certified in CSS, Bootstrap, JavaScript and PHP Stack – Udemy

Non – Technical Club Activities:

- Volunteered in local environmental clean-up drives, demonstrating commitment to social responsibility
- Participated in debate competitions, enhancing communication and critical thinking skills

NSS:

- Initiatives focused on promoting organic farming and water conservation techniques. Collaborated with farmers, government agencies, and NGOs to implement sustainable agricultural practices
 - Organized and coordinated successful blood donation drives
-

PERSONAL DETAILS

Date of Birth : 16th Jan 2004
Gender : Male
Nationality : Indian
Permanent Address : Ward no-01, Kanti-peth, Guledgudd, Bagalkot Dist, Karnataka – 587203
Linguistic Competency : English, Kannada, Hindi
Hobbies : Endurance Sports, Listening to music