KISHORE KUMAR I

Chennai, India – i.kishorekumar.ece@gmail.com – +91 7845643110 – linkedin.com/in/ikishorekumar

kishorekumars.vercel.app – github.com/KishoreKumar-I

Professional Summary

An Innovative Developer focused on creating seamless real-time experiences through creative problem solving and emerging technologies. Eager to tackle challenging opportunities that push the boundaries of modern applications, adapt to evolving user needs, and drive impactful solutions.

Education

R.M.K. Engineering College, Chennai — May 2026
- B.E. in Electronics and Communication (Honors) — CGPA : 8.12

Santhome Higher Secondary School, Chennai — May 2022
- HSC: 91.67% | SSLC: 86.2%

Experience

Telecommunication Intern, Bharat Sanchar Nigam Limited (BSNL), Chennai — June 2024
- Assisted in the configuration and maintenance of telecom switching systems and operational data networks in a live telecom environment.
- Analyzed common network faults and assisted in troubleshooting activities to improve service continuity.
- Simulated network topologies & configurations using Cisco Packet Tracer to strengthen practical networking skills.

Skills

Programming Languages: C, Python, SQL.

Networking: IPv4/IPv6 Addressing & Subnetting, Router & Switch Configuration, VLAN & ACL Implementation.

Software Simulation: Mininet, Ryu Controller, ZeroMQ, Cisco Packet Tracer, LTspice, Proteus Software.

Soft Skills: Problem-Solving, Leadership, Public speaking, Creative Thinking.

Projects

Next-Generation SDN Solutions for DDoS Detection and Mitigation
- Designed and implemented an SDN-based system for real-time DDoS attack detection and mitigation using machine learning–based traffic classification to distinguish normal and malicious flows.
- Integrated an adaptive port-blocking mechanism within the Ryu controller, enabling 92% detection accuracy and up to 40% faster mitigation response, significantly improving network and security automation.
- **Tools:** Ryu Controller, Mininet, Random Forest, ZeroMQ

Quantum Guard: Industrial Gamma Radiation Safety Monitoring and Alert Framework
- Developed a real-time gamma radiation monitoring using an ESP32 and Geiger–Müller sensor, implementing continuous radiation measurement, threshold-based alert generation, and cloud integration for remote monitoring.
- **Tools:** Giger-Muller, ESP32, Firebase, Flutter.

Achievements

- **Runner-Up, SSN Envision Hackathon** - Developed UnDebt, an AI-based financial assistant. — Feb 2025
- **Runner-Up, Paper Presentation, IETE** - Presented on SDN-based DDoS Detection and Mitigation. — Jul 2024
- **Best Project Award, IETE** - Awarded for Rail Track Integrity Monitoring and Crack Detection System. — Feb 2024
- **Chairperson, IETE (2023–2025)** – Recognized for Exemplary Leadership in Organizing Technical Events and Workshops.

Certifications

- **ORACLE:** Oracle Cloud Infrastructure Networking Professional.
- **edX:** Business Considerations for 5G with Edge, IoT, and AI, Introduction to Open Source Networking technologies, Python Basics for Data Science.
- **NPTEL:** The Joy of Computing Using Python, Modern Digital Communication Techniques.