

# KISHORE KUMAR I

📍 Chennai, India | ✉ i.kishorekumar.ece@gmail.com | ☎ +91 7845643110 | 🔗 ikktech.vercel.app  
in linkedin.com/in/kishore-kumar-i-ece | 🐙 github.com/KISHOREKUMAR2506

## Objective

An **Innovative Developer** focused on crafting seamless, real-time web 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 digital solutions.

## Education

<b>R.M.K Engineering College, Chennai</b> <ul style="list-style-type: none"><li>B.E. in Electronics and Communication (Honors) — CGPA: 8.15</li></ul>	May 2026
<b>Santhome Higher Secondary School, Chennai</b> <ul style="list-style-type: none"><li>HSC: 91.6% — SSLC: 86.2%</li></ul>	May 2022

## Experience

<b>App Development Intern</b> , Bharat Intern (Remote) <ul style="list-style-type: none"><li>Learned app development, UI/UX design, and performance optimization.</li><li>Modeled and tested a Quiz App and To-Do List App using Android Studio.</li></ul>	April 2024
<b>Embedded Systems Intern</b> , CodTech IT Solutions Pvt. Ltd., Chennai <ul style="list-style-type: none"><li>Gained hands-on experience in embedded circuit design and system integration.</li><li>Designed a real-time air quality monitoring system using IoT sensors.</li></ul>	July 2024

## Projects

<b>UnDebt – AI-Powered Debt Management Web App</b> <ul style="list-style-type: none"><li>Built a smart financial management system to track and optimize debt repayment strategies.</li><li>Integrated a repayment calculator with Snowball and Avalanche methods for personalized debt clearance plans.</li></ul>	
<b>Next-Generation SDN Solutions for DDoS Detection and Mitigation</b> <ul style="list-style-type: none"><li>Developed an SDN-based system for real-time DDoS attack detection and mitigation.</li><li>Applied SVM for abnormal traffic classification and dynamically blocked ports to enhance network security and reliability.</li></ul>	
<b>AI-Based Railway Track Defect Detection System</b> <ul style="list-style-type: none"><li>Constructed a real-time monitoring system using acoustic sensors to detect rail defects.</li><li>Implemented Isolation Forest for anomaly detection and integrated GPS for precise location tracking and automated alerts.</li></ul>	

## Skills

<b>Programming Languages:</b> Python, Java, C, JavaScript, SQL.
<b>Frameworks &amp; Technologies:</b> React.js, Next.js, Node.js, Flask, Tailwind CSS, Framer Motion, GSAP, HTML, CSS, Google Colab, VSCode, NumPy, Pandas, SVM, Isolation Forest, Data Preprocessing, Data Pipeline Management.
<b>Cloud &amp; Security:</b> SDN, Cloud Security, Firewall Management, Network Security & Traffic Analysis.
<b>Soft Skills:</b> Problem-Solving, Leadership, Effective Communication, Creative Thinking, Time & Project Management.

## Achievements

<ul style="list-style-type: none"><li><b>SSN Envision Hackathon</b> – Runner-Up</li><li><b>The Institute of Electronics and Telecommunications Engineers (IETE)</b><ul style="list-style-type: none"><li>Best Project Award</li><li>Runner-Up – Paper Presentation</li><li>Best Student Volunteer Award</li></ul></li></ul>	Feb 2025 Feb 2024 Jul 2024 2023 & 2024
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## Certifications

- NPTEL:** The Joy of Computing Using Python, Programming in Java, Modern Digital Communication Techniques.
- edX:** Business Considerations for 5G with Edge, IoT, and AI, Introduction to Open Source Networking Technologies, Python Basics for Data Science

## Languages

- Tamil (Native)
- English (Fluent)
- Hindi (Conversational)