

KISHORE KUMAR I

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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

R.M.K Engineering College, Chennai <ul style="list-style-type: none">• B.E. in Electronics and Communication (Honors) — CGPA: 8.13	May 2026
Santhome Higher Secondary School, Chennai <ul style="list-style-type: none">• HSC: 91.6% — SSLC: 86.2%	May 2022

Experience

App Development Intern , Bharat Intern (Remote) <ul style="list-style-type: none">• Gained practical experience in app development, UI/UX and performance optimization.• Built and tested interactive Quiz and To-Do List applications using Android Studio	April 2024
Embedded Systems Intern , CodTech IT Solutions Pvt. Ltd., Chennai <ul style="list-style-type: none">• Worked on embedded circuit design and system integration through practical application.• Designed a real-time air quality monitoring system for environmental data analysis.	July 2024

Projects

UnDebt – Debt Management Web App <ul style="list-style-type: none">• Built a smart financial management system with an integrated repayment calculator using the Snowball and Avalanche methods to optimize debt repayment strategies.• Tools used: Next.js, Chart.js, Tailwind CSS, OAuth 2.0, MongoDB, Vercel.	
Next-Generation SDN Solutions for DDoS Detection and Mitigation <ul style="list-style-type: none">• Developed an SDN-based system for real-time DDoS attack detection and mitigation by applying SVM for abnormal traffic classification and dynamically blocking ports to enhance network security and reliability.• Tools used: Ryu Controller, Mininet, Hping3, SVM algorithm.	
AI-Based Railway Track Defect Detection System <ul style="list-style-type: none">• Constructed a real-time monitoring system using acoustic sensors to detect rail defects, implementing Isolation Forest for anomaly detection and integrating GPS for precise location tracking and automated alerts.• Tools used: Acoustic Sensors, Isolation Forest Algorithm, GPS-GSM modules, Google colab.	

Skills

Programming Languages: C, Python, Java, SQL.
Web Development: Next.js, React.js, Node.js, Flask, Tailwind CSS, HTML, CSS.
Cloud & CI/CD: Google Cloud Platform, Mininet, Ryu Controller, Firebase, GitHub Actions, Vercel Deployment.
Software Simulation: Pspice, LTspice, Proteus Software, MatLab.
Soft Skills: Problem-Solving, Leadership, Public speaking, Creative Thinking.

Achievements

<ul style="list-style-type: none">• SSN Envision Hackathon – Runner-Up• The Institute of Electronics and Telecommunications Engineers (IETE)<ul style="list-style-type: none">– Best Project Award– Runner-Up – Paper Presentation– Best Student Volunteer Award	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

Co - curricular

- **Languages:** Tamil, English, Hindi.
- Active student volunteer at IETE-ISF, assisting in the organization and coordination of technical events and workshops.