Dinesh Surrya G

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 LinkedIn   GitHub   LeetCode   Codeforces   GeeksforGeeks

Professional Summary

Self-driven engineering student with a strong problem-solving mindset and passion for continuous learning. Demonstrates ownership, critical thinking under pressure, and consistency in execution. Focused on building reliable, scalable, and impactful systems.

Education

Karpagam Institute of Technology, Coimbatore   **2023 – 2027**
B.E. in Electronics and Communication Engineering   **CGPA: 7.9 / 10.0**

Technical Skills

Languages: C, C++, Java, Python, JavaScript, TypeScript, SQL
Frontend: React (Vite), HTML, CSS, Tailwind, Bootstrap, Mantine
Backend: Spring Boot, FastAPI, Node.js, Express, Django, Flask
Databases: MongoDB, PostgreSQL, MySQL, SQLite
Core CS: DSA, REST APIs, Authentication, System Design

Major Projects

Smart Campus – Academic Management System
- Built a centralized platform for timetables, course mapping, attendance, and placements.
- Implemented timetable-driven backend architecture as the single source of academic truth.
- Designed secure role-based access for Students, Faculty, HOD, and Admin.
- Integrated two-step Unicode-based email verification and real-time analytics.

DataGuardian AI – AI-Powered Data Quality SaaS
- Developed a full-stack SaaS to clean, validate, and deduplicate B2B datasets.
- Applied fuzzy matching and rule-based validation to improve data consistency.
- Designed confidence-based quality scoring to auto-fix or flag unreliable records.

RAG-AI Chatbot – Document Intelligence System
- Built a Retrieval-Augmented Generation system for querying unstructured PDF/DOCX files.
- Implemented vector-based semantic search with contextual AI responses.

Mentor–Mentee AI Meeting Management System
- Developed a role-based mentoring platform for meetings and progress tracking.
- Implemented AI-driven dynamic question chaining and automated email notifications.

Additional Projects

- **RiskGuardian AI:** AI-driven supply chain risk detection and prioritization platform.
- **EcoMart:** Smart retail inventory system with eco-score gamification.
- **Student-Hub:** Centralized student platform for events and peer collaboration.
- **Website Scraper:** Automated data extraction tool with structured output.
- **YouTube Timestamp Extension:** Chrome extension for timestamp capture.

Courses Completed

Artificial Intelligence & Machine Learning
Novitech — Nov 2024 – Feb 2025

Data Analytics
Novitech — Jun 12 – Jul 12, 2025

Machine Learning
Novitech — Specialized Certification

AWS Cloud Computing
Certified Training — Nov 17, 2024

Advanced C++ Programming
AlgoZenith — May 09, 2024

Python Programming
AlgoZenith — Feb 22, 2025

Full-Stack Web Development
AlgoZenith — Jun 02, 2025

Achievements

- **TCS CodeVita Season 12:** Achieved a Global Rank of 985.
- **NPTEL Certifications:** DSA using Java (Silver Elite); Industry 4.0.
- **LeetCode:** 2025 Annual Badge recipient; 365 Days Coding Streak Badge.