Dinesh Kumar R

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OBJECTIVE

Computer Science student skilled in frontend development, C/C++, and user-centered engineering, seeking to contribute to Visa's digital payment ecosystem through scalable, reliable software solutions.

EDUCATION

SASTRA Deemed University, Thanjavur	**May 2027**
B.Tech in Computer Science and Engineering	**CGPA: 7.857**
Holy Cross Higher Secondary School, Tiruchirappalli	**Grade 12**
Higher Secondary Education	**Percentage: 91.8%**

SKILLS

Programming	Python, C, C++, Java, SQL, MongoDB
Web	HTML, CSS, JavaScript, React
Core Concepts	OOP, Data Structures, Algorithms, Databases
Tools & Technologies	Git, VS Code, Node.js, MongoDB Atlas
Soft Skills	Problem Solving, Adaptability, Teamwork, Decision Making
Certifications	Full Stack Development (Udemy), AR/VR (SASTRA University)

PROJECTS

- **Library Management Site.** Built a library-management web application (HTML/CSS frontend, MongoDB backend) implementing CRUD operations for books, search/filter features, and an admin interface for inventory management.

- **Intrusion Detection System (IDS) with Firewall Integration** (Python, Suricata) Built a lightweight IDS that detects malicious traffic using Suricata and automatically blocks suspicious IPs through a Python-based firewall controller. Added domain and network filtering (only @sastra.ac.in allowed) with auto-unblock for improved security automation.

ACHIEVEMENTS

- **Smart India Hackathon (SIH) 2025 – Internal Round Finalist:**
  Fraud Detection System for Academic Credentials using TypeScript, React and Blockchain (SHA-based hashing). Built a prototype platform to verify authenticity of academic certificates and prevent tampering/forgery.

EXTRA-CURRICULAR ACTIVITIES

- Actively participated in hackathons, coding contests, and campus tech fests.

- Play cricket and chess; regularly explore new technologies and build small utilities.