Keerthivasan E

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EDUCATION

VIT Chennai, Tamil Nadu — B.Tech in Computer Science **CGPA: 9.07**   **Expected Jan 2027**
Velammal Vidhyashram, Chennai — **HSC 92%**   **2023**
Sree Gokulam, Chengalpattu — **SSLC 97%**   **2021**

COURSEWORK

Computer Networks — Design and Analysis of Algorithms — Data Structures and Algorithms — Computer Architecture — DBMS — Machine Learning — Operating Systems — Artificial Intelligence — Tools of Data Science — Prompt Engineering — Blockchain Technologies — Cloud Computing

Python — React.js — Node.js — Solidity — SQL — Docker — Git

TECHNICAL SKILLS

Programming: Python — Java — JavaScript — C/C++ — Solidity — SQL
Web Development: HTML — CSS — React.js — Node.js — Express.js — REST APIs
Cybersecurity: Burp Suite — Wireshark — OWASP ZAP — Threat Modeling
Blockchain: Solidity — Smart Contracts — Web3.js — DApp Integration
Machine Learning: Data Preprocessing — Model Evaluation — Predictive Analysis
Database: MySQL — SQLite — MongoDB
Tools: Git — Docker — Linux — Postman
Domains: Software Development — Cybersecurity — Blockchain — Web Applications

SOFT SKILLS

Multi-tasking — Teamwork — Logic Analysis — Quick Learning — Time Management — Problem Solving

INTERNSHIPS & EXPERIENCE

Cybersecurity Intern — Elevate Labs (Remote)   Jun–Aug 2025
Developed Python-based scanners for XSS, SQLi, and CSRF. Automated Flask-based vulnerability reports and OWASP ZAP dashboards.

Network Analytics Intern — Dept. of Atomic Energy, Kalpakkam   May–Jun 2025
Designed monitoring modules for traffic metrics; identified anomalies using statistical network models.

Inplant Trainee — MAPS, DAE, Kalpakkam   Jul 2025
Observed electrical network performance and optimization workflows in atomic plant systems.

Data Engineering Intern — Edunet Foundation (Remote)   Feb–Mar 2025
Built image encryption using LSB steganography and applied validation for secure data handling.

PROJECTS

Cybersecurity:

- **Web Vulnerability Scanner:** Flask-based automated detection tool with analytical reporting.
- **Network Traffic Analyzer (NTA):** Real-time packet analysis for network anomaly visualization.

Blockchain:

- **SecureChain Portal:** Blockchain identity and audit system ensuring transparency using Solidity and Web3.js.
- **Organ Donor DApp:** Smart contract-based donor–receiver mapping platform.

AI/ML:

- **AI File Manager:** ML-powered file classification system for analytics and optimization.
- **CloudCatalyst:** Multi-model stock prediction engine integrating ML and cloud analytics.

CLUBS & ACTIVITIES

OSPC: Cybersecurity and Blockchain Lead — Managed student-driven projects including secure voting systems and blockchain-based certificate verification.
ACM-VITC: Management Member — Enhanced device security protocols, managed CodePulse initiative, and coordinated major tech events.
Cyscom: Content Member — Researched and drafted weekly insights on cybersecurity awareness and tech innovations.

CERTIFICATIONS

IBM Cybersecurity Fundamentals — Certified Network Engineer — Java Programming — Diploma in Python