Harini S

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SUMMARY

Computer Science undergraduate with hands-on experience in full-stack web development, applied AI, and IoT systems. Experienced in leading technical teams, publishing research, and deploying scalable solutions. Strong focus on practical implementation, data-backed decision making, and automation.

SKILLS

Computer Languages: C, C++, Python, JavaScript, HTML, CSS
Frameworks/Tools: React.js, Git, Node.js, Tailwind CSS, Bootstrap
Technologies: NS-3, OpenCV, IoT, Sensors, Power BI, Geo Pandas, QGIS, Advanced Excel
Concepts: DSA, OS, CN, DBMS, Virtualization, LLMs, NLP
Soft Skills: Leadership, Public Speaking, Team Management, Technical Writing
Languages: English, German, Tamil

EXPERIENCE

Cyber Security Intern – ISACA *(Jan 2023 – Apr 2023)*

- Evaluated 100+ industrial IoT sensors across diverse manufacturing environments to pinpoint common vulnerabilities, then documented remediation strategies to reduce potential security breaches by up to 30%

Data Analytics Intern – Infosys (Pragathi Cohort 3) *(Jan 2025 – Apr 2025)*

- Constructed 15+ Excel-based pivot tables to analyze sales data, customer demographics, and marketing campaign performance, providing actionable insights that directly supported optimization strategies across three departments.

Summer Research Intern – SCOPE, VITCC *(May 2025 – Jul 2025)*

- Designed LLM-powered educational agents using Lang Chain and Lang Graph, tested with 50+ users.

AI & Database Intern – Anju Soft *(May 2025 – Jun 2025)*

- Automated **5+ repetitive data tasks** using local LLMs and RAG, saving ~**10 hours/week**.
- Improved query speed by **25%** using optimized Chroma DB and SQL retrieval strategies.

PROJECTS

- Engineered the *ORWAR Protocol Simulation* in NS-3 by implementing Opportunistic Routing with Adaptive Retransmissions, optimizing data forwarding efficiency by 18%, and analysing metrics
- Authored and published a research paper on an *IoT-based Smart Garbage System* under Dr. Gyanaswatika, leveraging real-time waste level detection by 40% to propose scalable smart city solutions.
- Developed a *Stock Market Prediction Model* using Convolutional Neural Networks (CNNs), performing time series analysis and trend forecasting on financial datasets. Achieved 88% trend prediction accuracy on test sets.
- Built *FlavourRhythm*, a smart recipe recommendation web app, using JavaScript, HTML, CSS animations, and SVG, used by 100+ test users with 90% positive feedback on UX.
- GitHub Users Stats: Scraped data from 1000+ GitHub profiles using Python & Beautiful Soup; summarized insights via LLM for tech hiring analysis.

EDUCATION

- VIT, Chennai – B. Tech CSE | CGPA: 9.09 | 2023–2027
- IIT Madras – B.S Data Science: LLMs, RAG, Geo & Network Analysis

LEADERSHIP & EXTRACURRICULARS

- President – Mathematics Club, VIT
- Central Committee Head – TechnoVIT'24
- 10+ Years Bharatanatyam Performer

CERTIFICATIONS

- NPTEL – Operating System
- NPTEL – Conservative Economics