

SIVARAJ T

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SUMMARY

B.Tech Information Technology student (Graduating 2028, GPA: 8.55) at Velammal Engineering College, Chennai. Full-Stack Web Developer and Machine Learning practitioner with 3 deployed AI/ML projects using Scikit-learn, Random Forest, and Decision Trees. Solved 1600+ competitive programming problems; experienced in Python, Flask, NumPy, and Pandas. Passionate about applying ML to real-world problems in AgriTech, Healthcare, and Environmental Science.

EDUCATION

B.Tech – Information Technology | Velammal Engineering College, Chennai

Expected 2028 | GPA: 8.55

TECHNICAL SKILLS

Languages:	Python, Java, C, C++
ML / Data Science:	Scikit-learn (Random Forest, Decision Trees, Classification), NumPy, Pandas
Web Development:	Flask, Full-Stack Web Dev, REST APIs, MongoDB, MySQL, SQL
Tools & Platforms:	Git, GitHub, Google Cloud (GenAI Studio), PythonAnywhere
Other:	Cybersecurity & CTF, Data Structures & Algorithms, Problem-Solving

EXPERIENCE

CyphraNovaTech Solutions — Senior Web Developer (Freelance)	Mar 2026 – Present
- Design and develop full-stack web solutions, delivering end-to-end digital transformation projects. - Built and deployed the official platform for Stepworth Consultancy with SEO strategy, improving search rankings. - Digitized the college feedback process for 500+ students using QR-based systems, cutting paper waste significantly.	

PROJECTS

TNFSC Fire Predictor – AI/ML Python, Scikit-learn, NumPy, Pandas, Flask	2026
- Shortlisted for TNFSC Smart Fire Innovation Challenge State Finals; built ML model to predict fire risk from environmental data. - Applied Random Forest and classification algorithms with NumPy/Pandas for data preprocessing and feature engineering.	
MediScan AI – Health Diagnosis Assistant Python, Scikit-learn, Flask	2026
- Won 2nd Place at Velammal Engineering College Hackathon; developed AI-powered symptom analysis and diagnosis assistant. - Implemented classification models with Scikit-learn and Pandas-based data pipelines for real-time health predictions.	
Smart Crop Predictor – AgriTech ML Python, Scikit-learn, NumPy, Pandas	2026
- Built ML crop recommendation system analyzing soil nutrients, climate, and weather data to suggest optimal crops for farmers. - Leveraged Decision Trees and Random Forest with NumPy/Pandas for data analysis and model training.	
LifeFlow – Blood Bank & Donor Management System Python, Flask, MongoDB	2025
Designed full-stack platform connecting blood donors with recipients in real-time; live at sivaraj09.pythonanywhere.com.	

ACHIEVEMENTS

- 2nd Place – 'Health Diagnosis Assistant' Hackathon, Velammal Engineering College (March 2026).
- 1st Place – Project Expo: Awarded top honors for technical innovation and implementation.
- 3rd Place – Regional Cybersecurity CTF Event (Feb 2026); also participated in ClawCTF.
- TNFSC Smart Fire Innovation Challenge: Shortlisted for State Finals.
- Google Student Ambassador: Selected in the First Round.
- SkillRack: Solved 1600+ problems, earned 550+ Bronze Medals. | LeetCode: Solved 50+ algorithmic problems.

CERTIFICATIONS

- NPTEL Silver Medalist – Python For Data Science (Elite Performance).
- NPTEL – Problem Solving through Programming in C; Air Pollution and Control.
- Forage Job Simulations – GenAI Powered Data Analytics (Tata); Cybersecurity Analyst (Tata); Data Analytics (Deloitte).
- Google Cloud – Introduction to Generative AI Studio.
- 40+ Verified Technical Certificates including 30+ from SkillRack in programming and logic domains.