Dharaneesh Panneer Selvam

Software Engineer

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EDUCATION

B. Tech Computer Science and Engineering - (Cybersecurity)   08/2023 – present
Shiv Nadar University, Chennai 🔗   Chennai, India
CGPA: 8.81 (till Semester 2)

Delhi Public School, Electronic City 🔗   06/2021 – 04/2023
Stream: PCMB   Bengaluru, India
CBSE 12th Board Exams: 94%

SKILLS

Programming Languages   **Extracurricular Skills**
C/C++, Python, Java, Flutter (Mobile App Development)   Good Speaker, Communication, Teamwork

Web Development
HTML/CSS, Javascript, NextJS, React + Vite, MongoDB

PROJECTS

SecureWatch File Integrity Monitoring App 🔗   03/2025 – 03/2025
File Integrity Monitoring App using Python
- Developed as a Mini-Project for System Security Management.
- Tracks file changes in a specified directory and logs created, modified, deleted, or renamed files, using SHA256 hashing.
- Creates log files for any events taking place during monitoring.
- Uses React + Vite for the frontend and Flask for the backend.

IoT-based Smart Crop-Monitoring Sytem   12/2024 – 01/2025
Prediction of pest likelihood using sensor data and analytics
- Built an IoT-based crop-monitoring system with a Flutter app, along with data science for real-time analytics on crop health.
- Used a camera and ran an XGBoost model to avoid false positives and improving prediction accuracies for pests.
- Leveraged Edge processing using an ESP8266 along with a Raspberry Pi along with LoRaWAN, for better offline capabilities.

Blockchain-based Chat Web Simulation 🔗   11/2024 – 12/2024
A Basic Simulation of a Blockchain-based chat system.
- Link: **https://dechat-app-demo.vercel.app/** 🔗
- Uses NextJS for the frontend/backend and Axios for API requests.
- A basic blockchain is implemented in JS which is simulated for each message sent.
- Basic HTML and Tailwind used for styling in the website.

ACHIEVEMENTS

Innovate-X Hackathon, 2025   02/2025 – present
SSN College of Engineering, Chennai   Chennai, India
- Won 2nd Place at the Hackathon for developing an IoT-based soil monitoring system.

Uzhavu Hackathon, 2025   Chennai, India
Shaastra Tech Fest 2025, IIT-Madras
- One of the top 10 teams out of 30 total teams in the final round.

Cybersecurity
- Ranked in the top 4% on TryHackMe, a leading cybersecurity education platform.

Other Hackathons
- Participated in SNU Hacks and Envithon Hackathon and SIH-24.