

# Dharaneesh Panneer Selvam

## Software Engineer

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🔗 <https://dharaneesh-portfolio.vercel.app/>  [linkedin.com/in/dharaneesh-panneer-selvam](https://www.linkedin.com/in/dharaneesh-panneer-selvam)

 [github.com/Apex077](https://github.com/Apex077)

## EDUCATION

### B. Tech Computer Science and Engineering - (Cybersecurity)

Shiv Nadar University, Chennai 

CGPA: 8.81 (till Semester 2)

08/2023 – present  
Chennai, India

### Delhi Public School, Electronic City

Stream: PCMB

CBSE 12th Board Exams: 94%

06/2021 – 04/2023  
Bengaluru, India

## SKILLS

### Programming Languages

C/C++, Python, Java, Flutter (Mobile App Development)

### Extracurricular Skills

Good Speaker, Communication, Teamwork

### Web Development

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

## PROJECTS

### SecureWatch File Integrity Monitoring App

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.

03/2025 – 03/2025

### IoT-based Smart Crop-Monitoring Sytem


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.

12/2024 – 01/2025

### Blockchain-based Chat Web Simulation

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.

11/2024 – 12/2024

## ACHIEVEMENTS

### Innovate-X Hackathon, 2025

SSN College of Engineering, Chennai

- Won 2nd Place at the Hackathon for developing an IoT-based soil monitoring system.

02/2025 – present  
Chennai, India

### Uzhavu Hackathon, 2025

Shaastra Tech Fest 2025, IIT-Madras

- One of the top 10 teams out of 30 total teams in the final round.

Chennai, India

### 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.