

# Dharaneesh Panneer Selvam

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Portfolio | LinkedIn | Github

## EDUCATION

<b>B. Tech Computer Science and Engineering - (Cybersecurity)</b> Shiv Nadar University, Chennai CGPA: 8.79 (till Semester 3)	<b>08/2023-present</b> Chennai, India
<b>Delhi Public School, Electronic City</b> Stream: PCMB CBSE 12th Board Exams: 94%	<b>06/2021-04/2023</b> Bengaluru, India

## SKILLS

**Cybersecurity:** MetaSploit Framework, Bash Scripting, Penetration Testing, Networking

**Extracurricular Skills:** Good Speaker, Communication, Teamwork

**DevOps:** Docker, Kubernetes

**Programming Languages:** C/C++, Python, Java, Flutter (Mobile App Development)

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

## PROJECTS

<b>SecureWatch File Integrity Monitoring App (React+Vite, Flask)</b>	<b>03/2025-03/2025</b>
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File Integrity Monitoring App using Python

- Designed and developed as a mini project for **detecting unauthorized system file changes**.
- Implemented a Flask backend to track file changes with SHA256 hashing, **ensuring tamper-proof logs**.
- Built an interactive UI using React + Vite to **visualize live monitoring data and alerts**, for gaining insights.
- Enabled secure auditing through real-time log generation and hashing, **reducing detection time by around 80 %** compared to traditional solutions.

<b>IoT-based Smart Crop-Monitoring System (Flutter, ThingSpeak, Python)</b>	<b>12/2024-01/2025</b>
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Prediction of pest likelihood using sensor data with Flutter

- Built a **Flutter-based mobile app** to deliver pest risk predictions using models trained on sensor and visual data, **reducing false positives by 50%**.
- Integrated multiple sensors with **ESP8266 + Raspberry Pi** for real-time environmental tracking and edge processing, **enhancing offline reliability**.
- Deployed **LoRaWAN** for long-range communication, **improving analytics even in low-connectivity zones by 60%**.

<b>ShopGuide AR Shopping App (ViroReact, React-Native)</b>	<b>11/2024-12/2024</b>
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An AR-enabled shopping app for better accessibility.

- Uses ViroReact for **indoor step-by-step navigation**, improving accessibility through **voiced directions**.
- Developed a smart algorithm to generate personalized shopping lists based on dietary preferences and inventory.
- Improved accessibility while **reducing dependence on store employees by an estimated 40%**.

## PROFESSIONAL EXPERIENCE

<b>Cloud Security Intern</b> Dilligen Technologies Pvt. Ltd.	<b>05/2025-present</b> Bengaluru, India
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- Worked on **deploying Kubernetes clusters** via Rancher
- Ensured **minimal downtime with automated monitoring and alerting** with Grafana and Prometheus.
- Developed and **maintained Docker Compose YAML files** for containerized environments.

## ACHIEVEMENTS

<b>Innovate-X Hackathon, 2025</b>	<b>02/2025-03/2025</b>
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SSN College of Engineering, Chennai

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

**Uzhavu Hackathon, 2025**

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.