Dharaneesh Panneer Selvam

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🔗 Portfolio | 🔗 LinkedIn | 🔗 Github

EDUCATION

B. Tech Computer Science and Engineering - (Cybersecurity)   **08/2023-present**
🔗 Shiv Nadar University, Chennai   Chennai, India
CGPA: 8.62 (till Semester 4)

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

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

ShopGuide AR Shopping App (ViroReact, React-Native)   **05/2025-06/2025**
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%**.

SecureWatch File Integrity Monitoring App (React+Vite, Flask)   **03/2025-03/2025** 🔗
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.

IoT-based Smart Crop-Monitoring System (Flutter, ThingSpeak, Python)   **12/2024-01/2025** 🔗
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%**.

PROFESSIONAL EXPERIENCE

Cloud Security Intern   **05/2025-present**
Dilligen Technologies Pvt. Ltd.   Bengaluru, India
- 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

Innovate-X Hackathon, 2025   **02/2025-03/2025**
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.