VIGNESH PANDIYA G

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EDUCATION

Sri Eshwar College of Engineering	**BTech AI-DS**	**Lateral(7.41CGPA)**	2023-2026
Alagappa Govt Polytechnic College	**DCSE**	**84.7%**	2020-2023
Ramanathan Chettiar Hrs School	**SSLC**	**56%**	2019-2020

INTERNSHIPS

INTRODUCTION TO CYBERSECURITY - UNIVERSITY OF MALAYA   **2024**

Learned about cyber threats and Malaysia's cybersecurity systems, using tools like Wireshark, Splunk, and Kali Linux. Contributed to projects on threat detection and prevention strategies.

NEXT GENERATION DATA NETWORKING - BSNL   **2024**

Acquired practical experience in network architecture, router and switch configuration, and network security. Deepened understanding of IP addressing and routing protocols, enhancing skills in networking and preparing for complex technical challenges.

PROJECTS

AI-Driven Intrusion Detection System (IDS) Using MicroControllers   **2025**

Engineered an AI-driven Forward Intrusion Detection System (FIDS) leveraging microcontrollers for real-time rogue Wi-Fi detection and threat intelligence. Integrated TensorFlow for AI-powered malware classification and Flask-based live telemetry, delivering a scalable, cost-efficient cybersecurity solution.

Tech Stack: Micro Controllers, Python, flask API, Tensor flow lite, Machine Learning Algorithms.

Cyber Intelligence Defense System Using AI   **2025**

Developed a sophisticated AI system for real-time detection and prevention of diverse cyber threats, leveraging advanced network traffic analysis to identify and mitigate risks effectively.

Tech Stack: frontend : React,Html,Css Backend: Python,Flask,Scikit-learn,Keras ,TensorsFlow, Networking Models

AI-Powered Credential Validation Network Using BlockChain Network   **2025**

Traditional credential verification is often time-consuming, prone to manipulation, and lacks transparency. Our system addresses these issues by using a decentralized approach, enabling secure storage, issuance, and verification of credentials while offering personalized career insights through AI recommendations.

Tech stack : Frontend : React.js Backend : Express.js , Mongodb , API : OpenAi LLM model

ACHIVEMENTS

Saveetha Engineering College Chennai	**Hackathon**	**Winner**	**2024**
Kochi Hackathon Netstrum Company Kerala	**Hackathon**	**Participation**	**2025**
DR.NGP College Of Engineering Coimbatore	**Hackathon**	**Participation**	**2025**
Scroll Hacks World Wide	**Hackathon**	**Top 20 Finalist**	**2025**

CERTIFICATIONS

Certified in Learn Java programming	**HackerRank**	**2024**
Certified in SQL(Intermediate)	**HackerRank Bharat**	**2024**
Certified in Diploma in Java And J2ee Advance	**Sevak Samaj (BSS)**	**2024**
Certified in Google IT Professional	**Coursera**	**2024**
Certified in Cisco Networking Basics	**Cisco**	**2024**
Certified in Ethical Hacker	**Cisco**	**2025**
Certified in AI Fundamentals	**IBM skill Build**	**2025**

SKILLS

Programming Languages	C	Basic C++	Python	Java	.Net	C#	Visual Basics
Technical	Machine Learning	Deep Learning	Data Science	OOPS	NLP
Tools	Power BI	VS Code| GitHub	NetBeans	Eclipse	Docker	Kubernetes |Flask
Kali Linux	YARA	Wireshark	Nmap	Metasploit Framework	SQLmap	Burp Suite	Nikto
Database	MongoDB	SQLYOG	MySQL	Firebase
Machine Learning	TensorFlow	PyTorch	Scikit-learn	OpenCV	Hugging Face	LangChain	TinyML