VIGNESH R

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SUMMARY

Enthusiastic and tech-savvy student skilled in IoT, Cloud Computing, Cybersecurity, Data Analytics, Machine Learning, Web Development, Digital Marketing, Sql & Mysql and Software Development. Strong in problem-solving, programming, and innovative solution design. Eager to apply technical expertise and creativity to real-world projects in IoT, cloud, and cybersecurity domains within a dynamic and growth-focused environment.

TECHNICAL SKILLS

- **Graphic Design** – UI/UX design, Canva, Adobe tools
- **IoT (Internet of Things)** – Sensor integration, Arduino, Raspberry Pi
- **Data Analytics** – Data visualization, Excel, Power BI, Python (Pandas, NumPy)
- **Cybersecurity** – Network security, threat analysis, ethical hacking basics
- **Machine Learning** – Model building, supervised & unsupervised learning
- **Digital Marketing** – SEO, content strategy, social media analytics
- **Web Development** – HTML, CSS, JavaScript, basic backend handling
- **Cloud Computing** – AWS, Google Cloud fundamentals, deployment.
- **SQL & MySQL -** Database design, querying with SQL, CRUD operations, joins, indexing, stored procedures, database optimization, and working with MySQL as a popular relational database management system.

EXPERIENCE

Frontend Developer Intern
Magnion Technology Factory   August 2023 - January 2024

- Developed responsive web interfaces that increased user interaction by 15%.
- Collaborated with the design team to implement interactive features, improving cross-browser compatibility to 100% coverage.

Web Developer
Modern Apex llc   April 2024 - June 2024

- Designed and deployed responsive websites that improved page load speed by 40% and increased user engagement by 20%.
- Collaborated with cross-functional teams to optimize website performance, resulting in consistent 99% uptime and high user satisfaction.

Data Analyst
Inspire Technologies   August 2024 - September 2024

- Analyzed datasets of 10,000+ records and created dashboards in Power BI, enhancing reporting efficiency by 35%.
- Cleaned and visualized data to support data-driven decisions, reducing report generation time from 3 days to 1 day.

CyberSecurity Analyst
Supraja Technologies   July 2025 - October 2025

- Conducted network monitoring and threat detection across 50+ endpoints, reducing security incidents by 30%.
- Assisted in vulnerability assessments and penetration testing, contributing to a 25% improvement in system security compliance

PROJECT

Smart Autonomous Agri Rover

Utilizes AI, IoT, sensors, and computer vision to monitor crops, optimize irrigation, and manage fertilizers or pesticides autonomously. Enhanced precision farming, crop health, and resource efficiency

Website for Modern Apex

Designed and Implemented a responsive and user-friendly website using HTML, CSS, JavaScript, and optimized for UI/UX and cross-browser compatibility. Implemented interactive features to enhance user engagement and website performance.

Website for Magnion technology Factory

Developed a responsive and interactive website using HTML, CSS, JavaScript, and React, ensuring seamless user experience and optimized performance. Collaborated on UI/UX design and feature implementation to enhance user engagement

Image encryption & Decryption App

Developed an application to secure images using encryption algorithms and allow safe decryption for authorized users, ensuring data confidentiality and integrity. Implemented a user-friendly interface for easy operation.

Face Recognition Camera

Built a real-time face recognition system using OpenCV and machine learning, capable of identifying and verifying individuals for security and access control. Optimized for accuracy, speed, and seamless user experience.

EDUCATION

Bachelor of Technology (B. Tech.)
Computer Science and Business Systems • Ramco Institute of Technology • Rajapalayam • 2026 •
CGPA-8.03

ACHIEVEMENTS

- HackerRank – Gold (Level 5) (Problem Solving) – Verified online coding certification in algorithms and data structures.
- HackHunt CTF – 1st Prize, Kalasalingam University: Secured 1st place in the Capture The Flag (CTF) competition, demonstrating cybersecurity, ethical hacking, and problem-solving skills.
- Robo Race – 1st Prize, Kalasalingam University: Secured 1st place in the university-level Robo Race competition, demonstrating robotics design, programming, and problem-solving skills.
- Robo Race 1st Prize – Sethu Institute of Technology: Awarded for excellence in robotics design and programming challenges.

LEADERSHIP

Secretary – Technebiz Association: Served as Secretary, coordinating events, managing communications, and assisting in the organization of technical workshops, seminars, and competitions to foster student engagement and skill development.

CERTIFICATION

- **Java Fundamentals – CSC** (2022)

- **HTML & CSS – CSC** (2022)

- **C, C++ – CSC** (2022)

- **Ethical Hacking – Supraja Technologies** (2024)

- **Machine Learning: Algorithms & Techniques – Udemy** (2023)

- **Cloud Computing Fundamentals – Alibaba Cloud** (2024)

- **Innovation and Entrepreneurship – Eyantra** (2024)

- **Zoho Creator Student Training – Zoho** (2024)

- **Supervised Machine Learning (Regression & Classification) – Coursera** (2024)