

# VIGNESH R

8098079175

vignesh2206rr@gmail.com

Tenkasi,Tamilnadu

in in/vigneshr

github.com/vigneshr

vigneshr

## 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 Ilc

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

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## 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.
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## 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.

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## 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)