





B.VIGNESHWARAN

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Objective

Looking for an entry-level position in the field of Information Technology, in a company whose values and goals are in conjunction with my own value and skill set.

Education

Course / Degree	School / University	Grade / Score	Year
BE(ECE)	VCET (Autonomous) - Erode	7.0CGPA	2025

Certification Course:-


- **Python Programming – Neural.Gen-AI - 20 Jun 2025 to 24 Jul 2025.**
 - Understand Python syntax, data types, and control structures.
 - Master object-oriented programming (OOP) concepts in Python.
 - Work with files, modules, and external libraries.
 - Develop applications using Python frameworks (e.g., Flask/Django).
 - Learn data manipulation with NumPy, Pandas, and data visualization with Matplotlib/Seaborn.
 - Automate tasks using scripting and APIs.
 - Introduction to machine learning with Python (scikit-learn).
 - Debugging, testing, and best practices for writing clean, efficient code.

Skills:-

- **Technical Skills:-**
 - Programming languages: Python
 - Front-end technologies: HTML, CSS, Bootstrap3, JavaScript and React JS
- **Soft Skills:-**
 - Good Communication Skills - Active learning and critical thinking - Problem Solving Skills - Multi Tasking Capabilities - Positive Attitude - Smart Work.

Internship:-


Junior Technical Engineer – Enthu Tech

 26 June 2024 – 13 September 2024

- Assisted in software development, debugging, and testing using Python, Java, and JavaScript.
- Supported hardware configuration, troubleshooting, and IoT project tasks.
- Performed unit and integration testing, and documented technical issues.
- Maintained project documentation and prepared regular reports.
- Collaborated with senior engineers in development and brainstorming sessions.
- Researched new tools and proposed innovative solutions.

Full Stack Developer Intern

Codec Technologies Pvt Ltd. (AICTE & ICAC Approved)

 18 Jan 2025 – 18 July 2025

- Participated in a structured 6-month internship under industry professionals.
- Developed full-stack applications and gained hands-on experience with real-world projects.
- Learned the practical implementation of both front-end and back-end technologies.
- Mentored by Dr. Anurag Shrivastava, Program Manager.
- NCS ID: E19E86-0116588288923

Projects

- **E-Commerce Website Built Using HTML, CSS, JavaScript & ReactJS**

Designed and developed a user-friendly e-commerce platform that enables customers to browse products, manage their carts, and make seamless purchases. The application leverages **ReactJS** for building dynamic, component-based UI and enhanced performance.

Key Features:

- Responsive design for a seamless experience across devices
 - Product catalog with filtering and search functionality
 - Shopping cart and secure checkout system
 - Interactive UI with smooth animations and transitions using React
 - Modular and efficient code structure with reusable components
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- **Driver Drowsiness Detection Using Facial Features and Hand Gestures**

Engineered a real-time driver monitoring system to detect drowsiness and distraction using computer vision. The system tracks eye-blink rate, head position, and hand gestures through live camera feed, triggering alerts upon detecting fatigue or inattention.

Tools & Technologies: Python, OpenCV, MediaPipe, TensorFlow, Raspberry Pi/ESP32, Arduino, IoT Sensors

Key Features:

- Facial landmark tracking for drowsiness detection
- Hand gesture recognition to detect distraction
- Real-time alerts via buzzer, speech, or audio
- Optional cloud-based logging and fleet monitoring

Recognition: Presented at **ICICV 2025 – IEEE International Conference on Intelligent Communication and VLSI Systems**

Declaration:-

- "I hereby declare that the above particulars of facts and information stated are true, correct and complete to the best of my belief and knowledge".