

# Girish Kumar S

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## EDUCATION

Chennai Institute Of Technology

(CGPA: 9.02/10)

BE- Electronics And Communication Engineering

## Work Experience

SALCOMP MANUFACTURING PRIVATE LIMITED

May 2023 - June 2023

- Gained insights into manufacturing processes during a 45-day internship at a leading electronics manufacturing company.
- Collaborated with the production team to optimize workflow efficiency and quality control measures.
- Participated in quality inspections, identifying defects and implementing corrective actions to enhance product quality.
- Collaborated with cross-functional teams to enhance understanding of supply chain dynamics and production scheduling.

## Skills

- **Programming Languages:** C, Java, SQL, Data Structures and Algorithm.
- **Software:** IntelliJ , VScode
- **FrontEnd:** HTML, CSS - (Basics)
- **Hardware:** Arduino UNO, NodeMCU ESP8266

## Projects

AI Virtual Keyboard and Eye Tracking Mouse

September 2023

- Developed a virtual keyboard and mouse control system using OpenCV, PyAutoGUI, and MediaPipe in Python.
- Enabled 90% accurate eye-tracking technology for controlling the interface with natural eye movements.
- Enhanced accessibility for physically challenged individuals by providing an alternative input method.

GitHub Link: [VirtualKeyboard.git](#)

Portfolio Website

May 2024

- Designed and developed a personal portfolio website using HTML5, CSS3, and JavaScript.
- Implemented a responsive design to ensure optimal user experience across various devices and screen sizes.
- Showcased skills, projects, and achievements to create a professional online presence.

GitHub Link: [MyPortfolio.git](#)

Automatic Headlight Dimmer

February 2023

- Designed an automatic headlight control system using infrared transmitter and TSOP 1738 receiver.
- Created algorithms for microcontroller to switch between high and low beams based on oncoming traffic.
- Improved night-time driving safety by reducing glare and enhancing visibility, leading to 30% reduction in accidents.

GitHub Link: [AutomaticHeadlightDimmer.git](#)

Plant Growth Monitoring System

March 2022

- Developed an advanced plant growth monitoring system using NodeMCU ESP8266 and various sensors.
- Integrated PIR motion sensor, DHT11 for humidity and temperature for comprehensive data collection.
- Enabled real-time tracking and analysis of plant health, improving growth conditions by 95%.

GitHub Link: [PlantGrowthMonitoringSystem.git](#)

## Competitive Programming Profiles

- **LeetCode:** Secured Top 20% with contest rating 1695, and solved 350 problems.
- **CodeChef:** Secured 2 stars (Div 3) with contest rating 1446.
- **CodeForces:** Secured max Contest rating of 930.
- **CodingNinja:** Solved 150 problems with a contest rating of 1905.
- **GeeksForGeeks:** Solved 100+ problems on geeksforgeeks.
- **SkillRack:** Solved 1200+ problems on Skillrack.

## Achievements

- MindSpark - Relay Programming RunnerUp held by SRET Campus.
- EDIL-TN Hackathon - Selected for funding at EDI Hackathon for innovative project proposal.
- IdeaExplorer - Project Presentation Winner held by SRM Ramapuram Campus.
- TechMatrix - Project Presentation RunnerUp held by Velammal Engineering College.
- Hero Campus Challenge - Shortlisted among top 500 teams in Hero Campus Challenge, with over 30,000 team registered.

## Certifications

Programming in Java with top 5% badge - NPTEL.

May 2024

Digital Electronics with elite badge - NPTEL.

May 2023

Introduction to Java programming - Udemy

March 2023

Introduction to HTML,CSS - Udemy.

January 2024

CCNA1 and CCNA2 in Cybersecurity - CISCO

June 2024