



Madhav Karthickk I

Bachelor Of Engineering

📍 Coimbatore, India

📞 +91 98423-27713

✉ madhavkarthickk.1212@gamil.com

ABOUT ME

A final year Mechatronics Engineering student with a strong coding background and a passion for software development. Eager to embrace new challenges and collaborate with others to better the world of technology. Enthusiastic about Full Stack Development, Android app development, and UX/UI design, adapting to new technologies with every learning experience.

PROJECT

- **Smart portable and modular retail checkout device with web application (Ongoing)**
 - 1.User Authentication panel:**
Description: Developed a dynamic user panel for retail shops, enabling seamless user management
Tech stack used: HTML, CSS, JavaScript, Bootstrap, Figma
 - 2.Shopping platform:**
Description: Developed a user-friendly web application for cart products, integrating secure payment gateways.
Tech stack used: HTML, CSS, JavaScript, MongoDB., Figma
- **Employee Attendance Management system in Coimbatore (Oct 2020)**
Description: Developed an Android attendance management system using Java in Android Studio, with seamless integration of Google Firebase for data storage. Designed a user-friendly interface for efficient attendance tracking. Conducted rigorous testing and provided good results
Tech stack used: java, google firebase, android studio, Adobe XD
- **Automated vending and packing machine (Dec 2023)**
 - **weigh** the product for the customer requirements and **pack it**
 - used **ESP32** and coded with arduino IDE
 - configure the RemoteXY App to your product
- **Aerodynamic Analysis with Modifications (May 2023)**
 - In May 2023, performed aerodynamic analysis on a car, focusing on drag reduction and downforce enhancement. Installed a rear wing to boost downforce and minimize drag. Integrated OBD scanner to link car sensor data with smartphone, resulting in 0.02% drag reduction post research and analysis.
- **Wind Tunnel Testing and Analysis (jan-2023)**
 - Project entails constructing a scaled-down wind tunnel for analyzing lift and drag of objects placed inside.

INTERN EXPERIENCE

- PLC Programmer in **Universal Automation systems Pvt Ltd Bangalore(Mar 2024-Current)**
 - In my certification program in New Zealand, I focused on **Race Car Engine Performance**, acquiring proficiency in hardware and software tuning, aerodynamics, and analytical problem-solving. This comprehensive training has primed me for automotive industry internships.
- Engineering system Analysis in **New Zealand (Jan & Feb 2023)**
 - In my Internship program in New Zealand, I acquire skill on **Race Car Engine Performance**, obtaining hands on experience in hardware and software tuning, aerodynamics, and analytical problem-solving. This comprehensive training has primed me for automotive industry internships.

HARD SKILLS

- **Programming**
 - Java
 - Python
 - HTML5
 - CSS
 - JavaScript
 - React.js
 - MySQL
 - MongoDB
 - G-Firebase
 - AWS
- **Designing**
 - Figma
 - Adobe XD
 - PhotoShop
 - shaper3D

INTEREST


- Data structure and algorithms
- Full stack
- Web development
- Designing

SOFT SKILLS

- Quick learner
- Communication
- Problem solving
- Team management

SOCIAL NETWORKS

 [linkedin.com/in/madhavkarthickki/](https://www.linkedin.com/in/madhavkarthickki/)

 madhav-tech1212

LANGUAGES

- English

EDUCATION

- **Kumaraguru college of technology, Coimbatore.**
BE in Mechatronics
2020-2024
CGPA - 7.01 (upto 7th semester)
- **ISC - 12th STD**
2019-2020
Percentage - 58.5
- **SSLC - 10th STD**
2017-2018
Percentage - 68.5