# KEVIN ANAND RAJ

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## Education

**Karpagam College of Engineering**                                                          **Sep. 2022 – current**
*Bachelor of Engineering in Electrical and Electronics Engineering*                           *CGPA - 8.16*

**Adwaith G.N.S Matric Higher Secondary School**                                             **2021 – 2022**
*HSC*                                                                                         *76.3 %*

**Adwaith G.N.S Matric Higher Secondary School**                                             **2020**
*SSLC*                                                                                        *85.2 %*

## Experience

**L&T Construction**                                                                          **June 2024**
*Electrical Engineer Intern*                                                                  *Sedarpet, Pondicherry*

- Assisted in the maintenance and operational activities of the Plant & Machinery department.
- Demonstrated high comprehension capacity and managed assignments with utmost expertise and efficiency.
- Collaborated with senior engineers to troubleshoot and ensure the optimal functionality of machinery.
- Maintained outstanding professional demeanor and showcased excellent moral character throughout the internship.

## Projects

**Distraction Blocker Chrome Extension** | *JavaScript, HTML, CSS, Gemini API, MongoDB*      **March 2025**

- Developed a Chrome extension with two core features: Campus Mode and Parental Mode to enhance productivity and online safety.
- Campus Mode: Uses location tracking and Gemini API to determine if the user is within a 1km radius of a school or college and blocks non-productive websites.
- Parental Mode: Analyzes every URL accessed and uses Gemini API to determine if the website is safe for users under 18; blocks unsafe content.
- Implemented a secure login system that restricts access to extension settings, ensuring only authorized users (admins/parents) can modify configurations.

**Face Emotion Recognition** | *Python, TensorFlow, PyTorch, OpenCV, FER-2013*               **December 2024***

- Face Emotion Recognition is a model that helps with recognizing emotion of people by scanning face.
- By integrating it with surveillance cameras, it can detect unusual or suspicious behavior in real time to detect signs of emotional distress or changes in mood, helping with earlier intervention.

**RFID Based Attendance Management System** | *IoT*                                          **May 2024**

- Developed an IoT-based hardware system to track and manage attendance, with outputs displayed in Blynk.
- Integrated hardware and software components to provide real-time attendance data.
- Ensured secure and reliable data handling and user authentication for teacher logins.

**Stocks Management Portfolio** | *JavaScript, Java, Spring Boot, IntelliJ IDE*               **March 2024**

- Developed a web application to manage and track stock portfolios using HTML, CSS, and JavaScript for the front-end.
- Implemented back-end functionality with Java and Spring Boot to handle stock transactions and portfolio updates.
- Integrated MySQL for efficient storage and retrieval of user data and transaction history.
- Ensured seamless interaction between front-end and back-end components for an optimal user experience.

**Smart Energy Meter** | *IoT*                                          **November 2023**

- Tracks voltage, current, and power consumption to provide real-time data on energy usage.
- Allows users to remotely monitor energy consumption through wireless communication and log data for future analysis.
- Sends alerts for abnormal usage and can automatically control devices to prevent energy wastage or overloads.

**Smart Home Automation**  | *Arduino, C*                                **January 2023**

- Developed and implemented Bluetooth communication to enable the control of lights, fans, and other appliances via a mobile application.
- Designed and programmed the Arduino micro controller to interface with various sensors and relays for seamless automation.
- Conducted extensive testing and troubleshooting to ensure reliable and efficient operation of the automated system.

## Certifications

**NPTEL**                                                              **Oct. 2024**

*Introduction to Industry 4.0 and Industrial Internet of Things*       *Elite - 63%*

**NPTEL**                                                              **Apr. 2024**

*Fuzzy Sets, Logic and Systems & Applications*                         *Elite + Silver - 75%*

**NPTEL**                                                              **Oct. 2023**

*Problem Solving Through Programming In C*                             *Elite - 60%*

**NPTEL**                                                              **Apr. 2023**

*Enhancing Soft Skills and Personality*                               *Elite - 70%*

## Technical Skills

**Programming Languages**: C++ (Advanced), Java (Intermediate), C (Intermediate), Python (Beginner)

**Developer Tools**: VS Code, Eclipse, IntelliJ IDEA

**Web Development**: HTML, CSS, JavaScript (Beginner)

**Backend Development & Frameworks**: Spring Boot (Beginner)

**Databases**: PostgreSQL, MySQL, MongoDB

**Tools & Platforms**: Git, Postman

**Publications**: *RFID-Based Attendance Management System. Journal of Advanced Research in Embedded Systems,* **11**(3-4), 1-6, Oct. 2024. ISSN 2395-3802.