

# RENGARAJ K

rengaraj02k@gmail.com | +91 6383295364

<https://rengaraj.vercel.app/> | [linkedin.com/in/rengarajk/](https://www.linkedin.com/in/rengarajk/) | [github.com/rengarajks](https://github.com/rengarajks)

## EDUCATION

### B.E-Computer Science and Engineering

Panimalar Engineering College

GPA: 8.65/10

2020 - 2024

Chennai, TN

## SKILLS

**Programming Language:** Java, Python, Javascript

**Framework:** ReactJS, Django, Flutter, Rest Framework, Scikit-learn, Tailwind CSS

## EXPERIENCE

### Intern

Jan 2024 - May 2024

#### Tmachine Software Solutions

During my internship at Tmachine Software Solutions, I developed 'EYEPOINT,' a project focused on tracking and analyzing users' gazepoints to predict their focus area. This involved integrating a trained Convolutional Neural Network (CNN) model into the Django framework to process and interpret gaze point data efficiently. I collaborated with a diverse team across disciplines to enhance the project's user interface and functionality, ensuring seamless integration and an intuitive user experience. Additionally, I implemented backend functionalities using Python and Django to enable real-time data processing and analysis capabilities, contributing significantly to the project's technical development and overall success.

### Intern

Jan 2023 - Jan 2023

#### Marcello tech

Completed intensive internship specializing in AWS Cloud Computing at Marcello Tech. Gained hands-on experience deploying and managing cloud infrastructure on AWS.

## PROJECTS

### EYEPOINT

Jan 2023 - Apr 2023

EYEPOINT tracks users' gazepoints using a webcam and highlights them on-screen. It utilizes ReactJS for the frontend, Django for backend development, and integrates a Convolutional Neural Network (CNN) model for gaze point data processing. OpenCV ensures real-time computer vision for accurate tracking and analysis, combining frontend interactivity with backend processing for a seamless user experience and precise gaze detection.

### AI Social Media Platform

Jan 2023 - May 2023

The AI social media platform, built on Django, offers features for following, messaging, posting updates, and commenting, fostering seamless interaction and engagement. Its robust backend efficiently manages interactions and content distribution in a secure, scalable environment. Integrating AI capabilities like mood-based image classification and sentiment analysis for comments enhances user experience by personalizing content and providing valuable insights into community reactions, all while prioritizing data security and privacy.

## CERTIFICATIONS

- React JS Complete Guide for Frontend Web Development [2023]
- Python And Django Framework For Beginners Complete Course
- Machine Learning From Basics to Advanced

## ACHIEVEMENTS

- Demonstrated the project Real Time Ai powered social media in 6th International Conference for Phoenixes on Emerging Current Trends in Engineering And Management held on 28 and 29 Apr, 2023.