

# Kirubakaran P

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Bachelor of Engineering

Sree Sakthi Engineering College, Coimbatore

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## EDUCATION

### • Bachelor of Engineering in Computer Science and Engineering

Sree Sakthi Engineering College, Coimbatore

2020-24

CGPA: 8.5

## PERSONAL PROJECTS

### • Pixel Perfection using IBM

Implemented a comprehensive image optimization using IBM, maintaining high standards of image quality and accessibility.

- Optimized image quality and accessibility with advanced filtering algorithms.
- Secured image uploads and user-specific storage through robust authentication mechanisms.
- Technology Used: Python Flask, HTML, CSS, IBM cloud, Docker.

### • Todo Web Application

Developed an web application that allows users to create, edit, and delete tasks effectively.

- Enable users to set due dates for tasks and receive reminders to ensure timely completion.
- Technology Used : Django Web Framework, Sqlite 3, Git CI/CD.

### • Multi-PDF ChatApp AI Agent

A Streamlit-based web application designed to facilitate interactive conversations with a chatbot.

- Chat seamlessly with Multiple PDFs using Langchain, Google Gemini Pro ,FAISS Vector DB with Seamless Streamlit Deployment.
- This app allows users to upload multiple PDF documents, extract text information from them, and train a chatbot using this extracted content.

### • Cerina GPT

AI tool that generates an response based on the User's input prompt.

- An Web applications that uses OpenAI models to generate responses and it have various features Ai Doctor, Ai Lawyer etc.
- Various features like Clinical notes generator, Ai researcher etc are integrated in Django with MongoDB and tested on Postman.

## EXPERIENCE

### • Django Developer Internship

Aug 2024 - Sept 2024

Tecosys

Remote

- Led the backend development team in the successful completion of the Cerina GPT project, ensuring robust architecture and scalable solutions. Designed and implemented RESTful APIs using Django and Django REST Framework to support seamless integration with the frontend and third-party services.
- Managed a cross-functional team, coordinating tasks and ensuring timely delivery of milestones. Collaborated with data scientists and AI engineers to integrate AI models and handle real-time data processing.

### • AWS Cloud Internship

July 2022 - August 2022

One Data Software Solutions

Offline

- In-depth understanding of AWS cloud computing services, including EC2, S3, RDS, Lambda, IAM, VPC, and more.
- Proficient in designing, deploying, and managing fault-tolerant, highly available, and scalable AWS solutions.
- Hands-on experience in cloud infrastructure provisioning, monitoring, and automation using AWS Management Console and AWS CLI.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Python, Java, Dart, JavaScript, HTML+CSS + Bootstrap.

**Version Control:** Git, Github, CI/CD.

**Frameworks:** Flask, Django, FastAPI , ReactJS.

**Cloud/Databases :** AWS, IBM / Firebase, MySQL, PostgreSQL.

**Areas of Interest:** Full Stack Development, Cloud Security, Artificial Intelligence and Machine Learning, NLP, LLM.

**Soft Skills:** Analytical, Self-Motivated, Diligent, Adaptability, Continuous Learning, Collaborative, Reliable, Flexible.

## CERTIFICATIONS

- Data Science and Machine learning (Udemy).
- Google IT Support (Coursera).
- Python Web Development (UNICEF).