Anto Jonith

anto289200 | anto-jonith-8610b8242 |
antojonith28@gmail.com | +917305499294

Summary

Dedicated and highly motivated engineering student with a passion for problem-solving and a strong foundation in Python , C and Core Java. Eager to apply theoretical knowledge gained through coursework to real-world engineering challenges. Seeking opportunities to further develop skills and contribute to innovative projects.

EDUCATION

KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY **CGPA: 8.1**

BE Computer Science Engineering

COURSEWORK

Operating Systems , Design and Analytics of Algorithm , Data Structures , Computer Architecture , Database Management Systems , Object Oriented Programming

Technical Skills

- **Programming Languages:** Python,Core Java, C, Javascript, HTML, CSS
- **Developer Tools:** VSCode , Git , GitHub
- **Operating System:** MacOS , Windows
- **Frameworks:** Node.js , React.js , Django, Bootstrap ,Scikit-Learn , Python Machine Learning Lib
- **Mobile Development:** Flutter, Android Studio
- **Soft Skills:** Problem Solving , Critical Thinking , Time Management
- **Area Of Interest:** Software Engineering , Generative AI , Machine Learning , IoT

Freelance Projects

Crop Recommendation System using Machine Learning and IoT Link to Project

Description: Developed a crop recommendation system that integrates IoT sensors (temperature, humidity, NPK levels) with the LightGBM machine learning algorithm. The system processes sensor data via Raspberry Pi 4 running on Raspbian OS and hosts the machine learning model on a Django-powered website for seamless user interaction.

Number Plate Detection Using YOLO11m and EasyOCR Link to Project

Description : Developed a system utilizing YOLO (You Only Look Once) for object detection and EasyOCR for text recognition to efficiently detect vehicles and read license plates. The system is customizable with user-trained models and designed to process static images, delivering annotated visuals and extracted license plate data.
This solution is ideal for smart traffic management, security systems, and parking automation, contributing to innovative and scalable infrastructure solutions.

Sustainablity ChatBot Link to Project

Description: Developed a chatbot focused on promoting sustainable practices in homes and industries, aligned with Sustainable Development Goals (SDGs) 9 (Industry Innovation and Infrastructure) and 11 (Sustainable Cities and Communities). The chatbot leverages the Groq API to provide energy-saving recommendations and efficient practices for minimizing resource consumption.

Sentiment Analysis Using VADER Link to Project

Description: Developed a sentiment analysis tool using the VADER (Valence Aware Dictionary and sEntiment Reasoner) sentiment analysis library to evaluate the sentiment of text.
Key Features:
Utilized VADER to analyze the sentiment of sentences, categorizing them as positive, neutral, or negative.
Generated overall sentiment dictionary with scores for negative, neutral, positive, and compound sentiments.
Demonstrated the tool with example sentences to showcase its effectiveness.

Work Experience

Full Stack Development Intern at VantageFlow Duration: 15 days

Assisted in the development of web applications using HTML, CSS, JavaScript, and backend technologies. Collaborated with senior developers to debug and enhance existing codebase. Gained hands-on experience with version control systems like Git.

AI/ML Intern at YBI Foundations(Banglore) Duration: 15 days

- Participated in developing machine learning models and AI algorithms. Worked on data preprocessing and feature engineering tasks. Assisted in integrating AI models into real-world applications.

Hackathons

- **Innovesence** - KPRIET - Qualified
- **ODE TO CODE** - KPRIET - 2nd Place
- **Paper Presentation** - SNR - Qualified
- **Smart India Hackathon** - Participated

Publications

Anto Jonith (March. 2022). "Scalable and Secure IoT Network Architecture using SDN." In: ENT Conference, NIT Pondicherry.

Others

- **LeetCode:** Solved 100+ Questions (anto_jonith)
- **Coursera:** Generative AI for Everyone
- **NPTEL:** Joy Of Computing Using Python - 65pc
- **NPTEL:** Introduction to Industry 4.0 And IoT - 54pc