Koushik Das

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EDUCATION

CHRIST (Deemed to be University)   Bangalore, Karnataka
Master of Computer Applications, 68%   *July 2023 – Present*

Asutosh College (Affiliated to Calcutta University)   Kolkata, West Bengal
Bachelor of Science, Honours in Computer Science, 7.886 cgpa   *August 2019 – May 2022*

WORK EXPERIENCE

arodek Technology   Kolkata, West Bengal
                                                                              April,2022-July,2023

- Developed scalable Django web application and Rest Api using DRF
- Developed scalable automated workflows using Microsoft Power Automate
- Developed OCR Scanning system to extract invoice(pdf/image) details using Django Rest Framework

PROJECTS

Christite-Hub | *Python, Django, Twilio, Speech Recognition, SQLite3*   Source Code

- Developed a social media-like website for university students to handle event postings using Django framework.
- Implemented SMS notifications for new posts using Twilio API.
- Integrated speech-to-text functionality for content writing using the SpeechRecognition library.
- Provided full CRUD operations with secured login and user profile management.
- Enabled 1-to-1 chatting, comments, and likes functionalities to enhance user interaction.
- Tools Used: Python, Django framework,Sqlite3

Multi-Modal Chatbot | *Python, Streamlit, OpenCV, Mediapipe, Gen AI API*   Source Code

- Developed a chatbot integrating Sign Language recognition to facilitate communication for deaf, mute, and hearing individuals.
- Enabled prompt generation through Sign Language recognition, transforming inputs into coherent responses using advanced natural language processing.
- Implemented additional features including Read Aloud and Voice Assistance to enhance user interaction and accessibility.
- Tools Used: Python, Streamlit, Speechrecognition, GenAI,OpenCV,Mediapipe.

OCR Scanner System | *Python, Django Rest Framework, MongoDB,pdfplumber,Tesseract OCR*

- Developed an OCR scanning system with a REST API using Django Rest Framework to process images and PDFs of invoices.
- Implemented functionality to extract invoice numbers, purchase details, and other relevant information from the invoices.
- Designed the API to send extracted data in JSON format to the frontend for seamless integration and further processing.
- Ensured accurate and efficient data extraction to streamline invoice management and processing.
- Tools Used: Python,Django Rest Framework,PdfPlumber,Tesseract OCR.

CERTIFICATES AND COURSES

AWS (May,2024-Present): Currently deepening expertise in Amazon Web Services (AWS) with a focus on cloud architecture, deployment, and management of scalable applications.

Django Rest Framework: Developed proficiency in building robust RESTful APIs using Django REST Framework, focusing on serialization, authentication, and API view design.

Django Development: Developed comprehensive skills in building robust web applications using Django, including MVC architecture, ORM, and RESTful API development.

Technical Skills

Programming Languages: Python,Javascript,Java, C, Kotlin, SQL
Web Technologies: HTML5, CSS3, RESTful APIs
Frameworks & Libraries: Django,Django,Django Rest Framework,Flask, Bootstrap
Developer Tools: Git, Docker, Postman, VS Code, IntelliJ, Android Studio,Pycharm,Microsoft Power Automate
Database & Cloud: MongoDB, Firebase, AWS EC2, MySQL,Sqllite3