HV V

Full Stack AI Developer, 6+ years experience
Rajkot, India
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I am Proficient in Python, Embedded C, Django, React JS, Node JS, and machine learning/deep learning. Experienced in building AI-powered chatbots, RESTful APIs, and frontend-backend integration, with deployment on AWS, Azure, and edge devices like Jetson. Skilled in ML/DL models (object detection, pose estimation, ANPR, face recognition, Autoencoders, Generative AI), version control (Git), CI/CD pipelines, and GUI development using PyQt5/Tkinter. Familiar with LangChain, LlamaIndex, PostgreSQL, Docker, and automation tools like Zapier and Airtable.

INDUSTRIES: Real Estate, Sales and Marketing, HR Tech, Automation, Retail, Cybersecurity

TECHNICAL SKILLS

• python	6 years
• Github	6 years
• Django	4 years
• REST APIs	4 years
• Azure	3 years
• HTML	3 years
• CSS	3 years
• RAG	3 years
• Deep Learning	3 years
• LLM	3 years
• SQL	3 years
• Redux	2 years & 1 months
• JavaScript	2 years
• React	2 years
• React Js	2 years
• Flask	2 years

PROJECT DETAILS

• RealEstateBot Cold Calling

Project Description: Developed a secure, AI-powered chatbot for a real estate business to automate client interactions and streamline lead management. Leveraged a comprehensive dataset of property listings, FAQs, and customer inquiries, using OpenAI GPT models for accurate responses. Built a responsive React JS frontend, Python backend services, and deployed the solution on AWS for scalability, with OAuth authentication ensuring secure access.
Responsibilities: Developed and deployed an AI-powered real estate chatbot using GPT, React, and Python on AWS; automated client interactions, integrated property data, ensured secure OAuth access, and optimized performance for scalability.
Technologies: Python, React js, Websocket, WebRTC, Django, Langchain, LLM
Industry: Real Estate
Link: https://realestatebot.amenitytech.ai/

• AI Sales Training Chatbot

Project Description: Developed an AI chatbot for sales training, simulating customers with different personas. Users act as salespeople and interact with the bot to practice real-life sales scenarios. Uses advanced prompt engineering for realistic, dynamic customer responses. Supports both text and voice-based conversations for immersive training. Can be customized with company-specific sales materials and scenarios. Provides feedback and analytics to help users improve their sales skills. Scalable and easy to adapt for different businesses and training needs.
Responsibilities: Developed an AI-powered sales training chatbot simulating customer personas; enabled text/voice interactions, dynamic responses, feedback analytics, and company-specific customization to enhance sales skills and real-world training experiences
Technologies: Python, Flask (backend), React JS (frontend), and ElevenLabs (voice synthesis).
Industry: Sales and Marketing
Link: https://www.leisatalk.com/

• AI Based Video Interview System

Project Description: In this project we have developed a platform where we interview candidates using AI Interviewer. AI Interviewers ask questions and evaluate the answer of the candidate, based on candidate answers and job description, AI forms new questions on its own. The interviewer can schedule an interview using our react js web application, after the interview completes we can see the result and AI evaluation on the admin panel. In the interview platform, it has features such as in-built video recording, live transcript, if a user tries to quit or change the window then candidate will get warning, in case of internet connection lost or power outage, candidate can resume their interview. In this application we have used LLM, Speech to text and text to speech functionality with good accuracy. Developed feature of video call using WebRTC and Websocket protocol
Responsibilities: Developed an AI-powered interview platform using LLMs, React, WebRTC, and WebSockets; enabled automated questioning, real-time evaluation, video recording, live transcripts, and secure, resume-enabled candidate interviews with speech processing.
Technologies: Python, React js, Websocket, WebRTC, Django, Langchain, LLM
Industry: HR Tech

• AI-Powered Invoice Processing

Project Description: Implemented AI-driven information extraction from invoice PDFs using OpenAI ChatGPT and prompt engineering for structured data retrieval. Designed an automated email processing pipeline using AWS SES, AWS Lambda, and AWS Secret Manager to fetch email attachments dynamically. Created unique email addresses for users via AWS SES upon signup, storing credentials securely in AWS Secret Manager. Integrated Celery with cron jobs to periodically access emails, extract attachments, and process invoice data in real-time. Migrated relational DB (PostgreSQL) to MongoDB, implemented custom MongoDB ORMs for structured query handling and NoSQL flexibility. Built RESTful APIs to handle OCR-based text extraction (PaddleOCR, Tesseract) and regex-based field matching for invoice metadata. Stored extracted invoice files securely in AWS S3, linked to unique user accounts for easy access and retrieval.
Responsibilities: Developed an AI-powered invoice extraction system using ChatGPT, AWS SES, Lambda, MongoDB, and OCR; automated email attachment processing, data extraction, secure S3 storage, and real-time structured data retrieval.
Technologies: LangChain, Prompt Engineering, AWS SES, AWS Lambda, MongoDB, OCR (Tesseract, PaddleOCR), Celery, PostgreSQL
Industry: Automation

• Real-time Person In-Out Counter

Project Description: This project involves the utilization of a Jetson Nano edge device, capable of processing multiple video streams concurrently at a high frame rate of over 20 frames per second (FPS). The project encompasses several key functionalities, including custom logic-based person detection and counting, precise person tracking, generation of heat maps to visualize person gatherings, and real-time gender and age detection. All captured data is seamlessly transmitted to an external dashboard, accompanied by live video streams.
Responsibilities: Developed an edge AI solution on Jetson Nano for real-time multi-stream video processing; implemented person detection, tracking, counting, heatmaps, and gender/age recognition, with live dashboard streaming and analytics.
Technologies: Python, Nvidia Deepstream, OpenCV, YOLO, Jetson Nano, Jetson Xavier
Industry: Retail

• Roof Fault Detection

Project Description: Train AI model using Drone images to identify the fault on roofs Created User management, Upload photos and AI integrations APIs using Django RESTful API Deployed the project in AWS EC2 and database in AWS RDS Trained the AI model to detect different type of damage on roof in AWS's Rekognition Service Generate custom pdf based on image and data selected from user
Responsibilities: Developed a drone-based roof inspection system using Django REST APIs and AWS; trained AI models on roof damage, integrated AWS Rekognition, managed users, and generated custom PDF reports from images and data.
Technologies: Django REST API, Django Template, OpenCV, Custom PDF, Yolo, AWS EC2, AWS S3, AWS Rekognition Service, Postgresql, AWS RDS
Industry: Real Estate

• Cyber Security Web App

Project Description: Developed a cyber security website using Django REST framework Designed the database and architecture for the project Created a modular script to fetch data from different tools based on domain and subdomain and update AWS RDS in parallel Integrated around 12-14 different tools & created cron jobs to automatically initialize them Utilized PostgreSQL for the project Managed code updates using Bitbucket Deployed Django using a CI/CD pipeline with Jenkins and Docker.
Responsibilities: Developed a cybersecurity platform using Django REST, PostgreSQL, and AWS; integrated 12+ tools, implemented modular data fetching, automated cron jobs, and deployed via Jenkins CI/CD pipeline with Docker.
Technologies: Django REST, React Js, Docker, Jenkins, PostgreSQL, Cron Job, AWS RDS, AWS EC2, Team Management
Industry: Cybersecurity

EMPLOYMENT HISTORY

• Software Developer

Description: Roles and Responsibilities – FullStack AI Developer Develop and deploy AI/ML models for computer vision, NLP, and generative AI. Build and maintain full-stack applications using Django, Flask, React.js, and Next.js. Design RESTful APIs and integrate them with AI services. Deploy AI solutions on edge devices (Jetson Nano/Xavier, Intel systems). Manage cloud infrastructure (AWS, Azure) and implement CI/CD with Docker, Jenkins. Work with databases like PostgreSQL, MySQL, and Redis. Develop custom tools and dashboards using PyQt5, Tkinter, and Streamlit. Lead R&D on innovative AI applications, including pose estimation and 3D reconstruction. Automate workflows using tools like Zapier, Airtable, and Mailerlite. Collaborate with cross-functional teams and ensure proper documentation.

EDUCATION

• Bachelors degree in EC from GTU 2016 - 2020

LANGUAGES

• English - advanced

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