

# Sinan Aslam

Full Stack Developer | AI Enthusiast

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## SUMMARY

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I am a skilled Full Stack Developer specializing in AI-driven solutions.

I have significant experience with advanced natural language processing tools such as Hugging Face, Retrieval Augmented Generation (RAG), and Large Language Models (LLMs).

My expertise includes designing, coding, and tailoring websites and applications to fulfill clients' requirements.

I focus on integrating AI models, developing strong back-end systems with Django, and crafting user-friendly front-end interfaces using ReactJS.

## WORK EXPERIENCE

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### Software Developer

Sep '23 — Present

Servtech Technical Services

Dubai, United Arab Emirates

- My responsibilities extend to designing, coding, testing, and deploying projects, as well as managing a substantial database of 10,000 + optimized data handling.
- Roles and responsibilities: Designing, Coding, Testing, Creating Database object, configuring and deploying project.

### Software Developer

Oct '21 — Nov '22

G-TEC Education Institute

Kerala, India

- The complete process of project development involves everything from design and coding to testing and deployment. This also includes managing a large database with efficient data handling capabilities. My responsibilities include designing, coding, testing, and deploying projects, as well as configuring database objects. Jan 2021
- Aug 2021

### Full Stack Developer (Intern)

Kerala, India

Steyp EdTech company

- Developed and maintained web applications using Python, Django, and Django Rest Framework.
- Designed and implemented RESTful APIs to connect frontend and backend components

## EDUCATION & CERTIFICATIONS

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Diploma in Information Technology, Swami Vivekananda Institute of Technology

India

CS Engineering Course in , Steyp Computer Engineers & Tech Scientists

Higher Secondary in , Jamia Nadwiyya Edavanna

## CERTIFICATIONS

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[Responsive Web Design](#), FreeCodeCamp

Aug '28

[Scientific Computing with Python](#), FreeCodeCamp

Aug '01

[Backend Developer](#), Steyp

Jan '01

[Frontend Developer](#), Steyp

Jan '01

## EXTRACURRICULAR ACTIVITIES

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Google Cloud Innovator Badge

Feb '24

Google

Stack Overflow Contributions

Active participant in answering technical questions and providing solutions on the platform

GitHub Repository Contributions

Active contributor to various open-source projects on

Active contributor to various open-source projects on [Github](#)

## Google Developer Group Sharjah DevFest

Jun '24

Engaged with industry experts, expanding knowledge in AI innovation and real-world applications.

### PROJECTS

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#### E-commerce Platform [Link](#)

- Developed a comprehensive e-commerce platform using Django and Django Rest Framework.
- Implemented user authentication, product catalog, shopping cart, and secure checkout functionalities.
- Utilized ReactJS for an intuitive and dynamic frontend.

#### Online Food Ordering System [Link](#)

- Designed and built an online food ordering system with Django and PostgreSQL.
- Developed interactive menus and order processing features.
- Leveraged ReactJS to create a user-friendly interface.
- Implemented user authentication, food catalog, shopping cart.

#### CRM Management, ServTech Technical Services LLC [Link](#)

- Developed and maintained web applications using Python, Django, and Django Rest Framework.
- Managing and updating new technology in the current CRM project.
- Implementing and integrating innovative solutions to enhance the functionality and performance of the CRM system.

#### AI-Powered Recruiting Software, Talent Share Mangement LLC [Link](#)

- Developed and maintained an AI-powered recruiting software, enhancing efficiency and automation in the hiring process.
- Implemented intelligent features such as AI-driven candidate matching, resume parsing, applicant tracking, and interview scheduling.
- Enhanced user experience with chatbot-assisted candidate engagement for seamless recruitment operations.

#### RAG-LLaMA LangChain Integration [Link](#)

- Implemented Retrieval-Augmented Generation (RAG) using LLaMA and LangChain for an AI question-answering system.
- Leveraged Python libraries and AI models to enhance natural language processing capabilities.

#### PDF Chatbot [Link](#)

- Developed an interactive PDF Chatbot application using Streamlit, enabling users to upload PDFs and query them with AI-generated responses.
- The system extracts and processes text from PDFs, stores it in a vector database, and leverages Google Generative AI for contextual question-answering.

#### AI-Powered Recruitment Consultant Bot [Link](#)

- Developed a conversational AI bot that serves as a recruitment consultant, interacting with users via voice and text.
- The bot uses natural language processing to gather hiring requirements, respond to inquiries, and schedule follow-up consultations.

#### Full-Stack AI-Powered Emergency Response System [Link](#)

- Developed a real-time emergency response platform designed to enhance personal safety by integrating AI-driven risk analysis, location-based alerts, and automated notifications.
- The system leverages advanced AI insights, real-time weather updates, and emergency broadcasting via email and AI-powered phone calls to provide users with a reliable and efficient safety solution.

#### Full-Stack Billing and Sales Management System

- Designed and implemented a robust, full-stack billing and sales management system tailored for retail businesses.
- The system streamlines inventory management, financial reporting, providing a seamless and efficient solution for managing sales, generating invoices, and tracking revenue.

#### Truck Accounting System

- Designed and implemented a web-based truck accounting solution to manage truck fleets, trips, expenses, and company operations.

- The system allows users to track trip details, record various expense types (diesel, toll, and other expenses), and generate monthly summaries with Excel export capabilities.

### Fine-Tuned and Deployed LLMs on Hugging Face

- Fine-Tuning with Custom Data: Used the Unsloth to simplify the entire training process and handle custom data ingestion.
- Prepared and curated domain-specific datasets, then applied best practices to fine-tune Llama-based models (llama-3.2-3b-instruct, DeepSeek-R1-Distill-Llama-8B) for improved accuracy and performance on specialized tasks.

### Sales Call Analyzer Agent [Link](#)

- In sales environments, analyzing call transcriptions can provide valuable insights into customer behavior, agent performance, and opportunities for improvement. By automating the process of transcription and analysis, businesses can save time, enhance their training, and improve their customer interactions.
- The goal of this project is to transcribe audio from sales calls, analyze the transcription using natural language processing techniques, and generate a detailed report on the call, including sentiment analysis, key phrases, pain points, and recommendations for improvement.

## SKILLS

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**Programming Languages & Frameworks** Python, Django, Django Rest Framework, React, JavaScript, NextJS, RESTful API

**Database** PostgreSQL, Database Design and Optimization, Vector Databases (FAISS, ChromaDB)

**AI & Machine Learning** Hugging Face, RAG, LLM Models, LangChain, Scikit Learn, Numpy, NLP, BERT, Fine Tuning, GPT, Prompt Engineering, Text Classification, PyTorch, SpaCy, NLTK, pandas, Streamlit, Generative AI, Transformers, FAISS, AI Models, Conversational AI, Datasets

**Web Development** Full Stack Development, RESTful API Design and Implementation, Front-end Development, Back-end Development, Responsive Web Design, SEO, Google Search Console, Google Analytics

**DevOps & Deployment** Git & GitHub, AWS, Microsoft Azure, Docker, Nginx, Kubernetes

**Other Skills** Deployment Management, Real-time Data Processing and Analysis, Integration of AI Models with Web Applications, Handling and Processing of Large Datasets

**Interests** Artificial Intelligence and Machine Learning, Real-time Systems and Automation, Open Source Contributions, Continuous Learning

**Languages** English, Malayalam, Hindi, Tamil