SK Sayed Aktar
Software Developer

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Fullstack AI Developer with 3+ years of experience in building scalable backend systems and AI-driven web applications. Proficient in **Python**, **FastAPI**, **Django**, and modern frontend frameworks like **React** and **Next.js**. Deep experience with **Large Language Models (LLMs)**, chatbot platforms, and **AWS** services such as **EC2**, **S3**, and CloudFormation. Proven ability to develop full-stack AI products with clean UI, RESTful APIs, and robust infrastructure. Passionate about ethical AI, automation, and creating impactful tools for real-world use cases.

WORK EXPERIENCE

MindTide.ai - Software Development Lead, California, US (Remote) | Aug 2024 – Present

- Lead Engineer spearheading the development of two innovative AI-powered platforms—**SiteBot.co** and **BuzzCraft.io**—designed to empower small and medium-sized businesses.
- Architected and developed the chatbot platform **SiteBot.co**, enabling users to create AI-driven chatbots by training models using website content or uploaded files, with seamless integration into websites and platforms like Messenger, Slack, Zendesk, and Zoho, and leveraging **Redis** for efficient caching and real-time data handling.
- Implemented a scalable and cloud-optimized tech stack for **SiteBot.co** using **Next.js, FastAPI, MongoDB, AWS EC2, S3, Lambda, and GPT models**, ensuring high performance and efficient data processing pipelines.
- Worked with **Model Context Protocol (MCP)** to optimize prompt injection and fine-tuning workflows using **LoRA** and **QLoRA** techniques, resulting in highly domain-adapted and context-aware conversational models.
- Designed and developed **BuzzCraft.io**, an AI-powered social media management platform for multi-account scheduling, AI-generated content, and engagement analytics.
- Built **BuzzCraft.io** leveraging **Vue.js, FastAPI, AWS**, and **MongoDB**, with a focus on robust backend integrations and seamless user experience.

Marsdevs - Full Stack Developer, Pune, India (Remote) | Jul-2023 - Jul-2024

- Spearheaded a project focused on delivering **AI-driven automation solutions for the Retail and Logistics sectors**. My role involves extensive use of Flask, Node.js, and Next.js.
- **Utilized Google Document AI** for automated document extraction, enabling the transformation of unstructured data into actionable insights through machine learning techniques.
- **Deployed serverless solutions** using **GCP Cloud Functions**, ensuring scalable, on-demand execution and efficient deep learning model deployment.
- **Automated routine tasks** and ensured consistent model updates by implementing **Cloud Scheduler**, enhancing system reliability and efficiency.

CodeClouds - Software Engineer, Kolkata, India (Remote) | Aug-2022 - Jul-2023

- **Contributed to multiple projects** as a Full-Stack Developer, delivering end-to-end solutions using frameworks like **Next.js** and **Nuxt.js** with a focus on speed, scalability, and user-friendly interfaces.
- **Customized CRM platform integrations**, streamlining client management workflows and enhancing operational efficiency.
- **Designed and implemented APIs**, extending functionality and improving application performance.

Ambivert Technologies Pvt. Ltd. - Software Engineer, Pune, India (Remote) | Jul-2021 - Aug-2022

- **Task Store** - Play store for Python Scripts to automate the tasks. Tech Stack was FastAPI, VueJS and MongoDB using AWS Cloud Infrastructure.
- **Lead APIUitlity(SaaS product)** - Bulk operations on API, data manipulation and testing using a spreadsheet. Tech Stack was Flutter.
- **Computer Vision Project** - Trained models using custom datasets comprising invoices and images. Enables users to label specific fields of interest and train a **YOLOv5 model**. The trained model was then utilized to accurately extract the targeted information.

Zeza Tech. - Software Intern, Mumbai, India (Remote) | Apr-2021 - Jul-2021

- **Hotel Monitoring System** – Developed a comprehensive solution by integrating **ReactJS** and **Django** with **Raspberry Pi sensors** to streamline hotel operations. The system efficiently monitors and manages various hotel aspects, resulting in increased operational efficiency and cost reduction.
- **Gained expertise in Django development**, utilizing technologies such as **ReactJS**, **NextJS**, **PostgreSQL**,

and **SQLite3** to build scalable and efficient applications.

Projects

Local File Sharing Web App
- A FastAPI-powered local file-sharing web application that enables seamless file transfers within the same network. Easily upload and share any type of file, making local file exchange quick and efficient.
  Project Link:- https://github.com/SK-SAYED-AKTAR/LocalFileSharing

Real-Time Chat Application
- This is a real-time chat application, developed with FastAPI, ReactJs and MongoDB. Here I also add some basic features like Add Friend, Accept friend Request and then chat with them.
  Project Link:- https://github.com/SK-SAYED-AKTAR/RealTimeChatApp

District Monitoring System
- A collaborative website for government employees to monitor and update their tasks effectively. This platform enables employees to track their assigned work, report progress, and update task statuses, promoting transparency and accountability in government operations.
  Project Link:- https://birbhumdprdo.in

Incredibles.pro
- **Developed a comprehensive platform** enabling users to effortlessly share, request, offer, and exchange services, thereby fostering a collaborative community.
- **Integrated AI-driven features** to enhance user experience, providing a safe, efficient, and intuitive environment for service interactions.
- **Implemented a time-based consent management system**, ensuring transparent and secure engagements between users.
  It is a mobile application and the tech stack was Flutter, AWS

API Testing
- **Developed a desktop application** for testing API endpoints, designed to handle bulk operations efficiently, enhancing productivity for developers.
- **Built using Flutter**, ensuring a cross-platform, responsive, and user-friendly interface for seamless API testing and management. Later, the application was made **open-source**, allowing the community to contribute and improve the tool.

EDUCATION

KAZI NAZRUL UNIVERSITY, ASANSOL
Bachelor's degree · B.Sc in Computer Science
Grade: CGPA: 8.18, Jun 2019 - Jun 2022

LINKS

Github: // SK-SAYED-AKTAR
LinkedIn: https://www.linkedin.com/in/sk-sayed-aktar/

SKILLS

Programming	Frameworks	Databases	Cloud & DevOps	AI/LLM Tools
Python	FastAPI	MongoDB	Git	LangChain
C/C++	Django	MySQL	Docker	Hugging Face
Javascript	Flask	PostgreSQL	Linux	Gradio
Java	ReactJs	Redis	GCP	MCP
Dart	NextJs		AWS	Lora & QLora
	NodeJs			GPT/Claude