

Kalp Mota

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Summary

Highly skilled Software Engineer with 3 years of experience specializing in Python, SQL, AWS, and platform integration. Expertise in designing and developing solutions, working with APIs, and leveraging Large Language Models (LLMs) for innovative applications. Proven ability to streamline processes by automating workflows and integrating third-party platforms using AWS, ServiceNow, and Boto3. Seeking a dynamic role to apply technical expertise to drive innovation and efficiency.

Skills

- **Languages:** Python, SQL, Java, React.js, Node.js
- **Technologies:** AWS (Lambda, EC2, S3, CloudFormation), Boto3, RESTful APIs, Docker, Flask, FastAPI, Django, Informatica
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Tools:** Git, Jenkins
- **Machine Learning:** LLMs (Large Language Models), TensorFlow, Keras, GPT, Generative AI, Agentic AI Workflows (LLMs, Multi-Agent Systems), Prompt Engineering, LangChain, AI-Driven Automation, Conversational AI Development, Intelligent Document Processing (OCR, NER, Regex Extraction), Model Fine-tuning & Deployment, Text Summarization & Entity Extraction
- **Other:** Data Analysis, ETL Processes, API Integration, Automation, Software Development, Backend Development, Cloud Solutions, Data Processing, System Optimization, Code Quality

Experience

LTIMindtree (Internal Project - Cloudelevate) | Fullstack Developer | October 2024 - Present

- Designed and developed a SaaS-style web platform using Django for backend and Docker for containerized deployments, enabling seamless multi-cloud integration across AWS, Azure, and GCP.
- Built APIs and backend logic to connect and manage cloud services from multiple providers, enhancing the user experience through a unified and intuitive interface.
- Implemented scalable cloud architecture with secure authentication, centralized logging, and provider-specific provisioning workflows.

LTIMindtree (Aspect Project) | Python Backend Developer | September 2023 - September 2024

- Designed and developed backend solutions for the Aspect platform using Python, FastAPI, and Flask, creating scalable, high-performance APIs.
- Integrated LLMs, enhancing the platform's capabilities with features like OCR, regex-based extraction, and document post-processing using Camelot for tabular data.
- Implemented third-party app integration using async operations, improving platform functionality and responsiveness by 95%.
- Implemented custom functionalities, including duplicate annotation detection reducing manual efforts to 100% and LLM model fine-tuning for text processing.

LTIMindtree (Travelers - Client) | Python Developer | May 2023 - September 2023

- Developed custom scripts to automate the conversion of insurance form data from Excel to JSON, streamlining form processing for various insurance types.
- Collaborated with the team to integrate API solutions for automated data dumping into the client's database.

LTIMindtree (Internal Project - Aspect) | Product Engineer | September 2022 - April 2023

- Contributed to the internal Aspect project, developing AI-driven solutions for document processing, including text processors, named entity recognizers, image classification, and table extraction.
- Worked on building models for City National Bank and Simon-Kucher Partners, customizing NLP and machine learning solutions to meet client requirements.
- Trained, deployed, and demonstrated models tailored to client needs, utilizing Python and AWS to automate workflows and integrate solutions.
- Worked on features like document splitting, knowledge nugget extraction, sentiment analysis, and object identification.

LTI | Training | July 2022 - September 2022 (3 months)

- Underwent training on Informatica, gaining experience in data integration, transformation, and ETL processes.
- Developed proficiency in data management and migration strategies. Received training in SQL, Python, and Java.

Education

K.C. College of Engineering Management Studies and Research | B.E. in Electronics and Telecommunication | June 2022

- CGPA: 8.09

Shah and Anchor Kutchhi Polytechnic | Diploma in Computer Technology | June 2016

- Percentage: 76.59%

Projects

IBackPack (An AR Tour Guide App) | [Final Year Project](#)

- Developed an AR tour guide app using Unity, displaying location, street map, ratings, and nearby locations.

Smart Resume Parser | [Project Link](#)

- An AI-powered Resume ATS Checker & Chatbot built using React.js (frontend) and Flask (backend). This tool helps users analyze resumes for ATS compliance and provides chat assistance.

NomadNavigator | [Project Link](#)

- An intelligent travel recommendation system. This project leverages cutting-edge technologies like **LLMs**, **RAG**, and **Embeddings** to provide personalized travel recommendations.

Certifications

- Multidisciplinary Conference on Engineering Science C Technology (MCEST 2022) - Presented Ibackpack: An AR Tour Guide App.
- Python Certifications
- Generative AI Certifications
- [Complete List](#)