

Karan Singh

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WORK EXPERIENCE

Quantive (formerly Gtmhub) - Junior Software Development Engineer

Jul 2022 - Present

- Developed internal tools using **Generative AI** and **OpenAI** technologies to improve team collaboration and streamline operational processes.
- Designed and implemented **ETL pipelines** for gathering, processing, and transferring data, while ensuring compliance with regulatory standards, including **GDPR**.
- Deployed and managed cloud-based services on **Kubernetes**, ensuring the scalability and reliability of applications.
- Worked with **Docker** and **Kubernetes**, utilizing the **Helm** framework for efficient application deployment and orchestration.
- Leveraged **Azure Synapse** to fetch, modify, and deliver data, ensuring accuracy and consistency across platforms.
- Worked with **MongoDB** to manage and store large datasets, enabling efficient data access and retrieval for processing.
- Continuously improved and maintained tools and services, optimizing **ETL pipelines** to ensure seamless data flow and integration across the business.

Greendeck - Software Engineer

Nov, 2021 - Jul 2022

- Developed scalable **Web crawlers** to extract large volumes of data from diverse online sources, ensuring efficient data collection and processing.
- Maintained and optimized **ETL pipelines** for data processing, including **data modulation** and correction, ensuring accurate and high-quality data delivery.
- Built and maintained **data services** to generate actionable insights and process large datasets efficiently.
- Automated **crawlers** and **data services**, reducing manual intervention and improving operational efficiency.
- Delivered critical data and insights by building and deploying **Crawlers**, ensuring timely completion under tight deadlines.
- Worked with **MongoDB** and **Redis** databases to manage and store large datasets, ensuring optimized access and performance.
- Leveraged **Apache Airflow** for workflow automation, enhancing the reliability and scalability of data pipelines.

TECHNICAL SKILLS

Languages: Python

Database: Postgresql, MongoDB, Redis, Elastic Search

Frameworks / Tools / Technologies : FastAPI, Git, Linux, Flask, Docker, Helm, Kafka, Azure Synapse

EDUCATION

GGITS, Jabalpur

Bachelor of Technology in Computer Science Engineering

CGPA: 8.8/10

KEY PROJECTS

PricePrive: A tool for stock and price management | Python, Mongo, Redis, Apache Airflow

- Designed and implemented **Python** based scripts to get, store and formulate data to be used.
- Used **Redis** for queuing system and **MongoDB** to store all data objects
- Generated actionable insights by transforming raw data into structured reports to optimize pricing and stock management

Summarize my meet | Python, FAST Api, Open AI, Docker, Helm

- Developed an AI-powered meeting summarizer using **FastAPI** and **Python** that converts raw transcripts into detailed summaries, key points, action items, and quotes etc.
- Leveraged **generative AI** models to ensure context-aware, high-quality summaries across various formats.
- Containerized and deployed the application using **Docker**, **Helm**, and **AWS** for scalable and reliable performance.

Product Matching | Python, FAST Api, Open AI

- Developed a service which matches the two identical and exact yet different products.
- Integrated **OpenAI API** to generate accurate matches based on Product Description.
- Utilized **PostgreSQL** and **MongoDB** for storing and managing vectorized PDF representations and unstructured data