

# KISHALAYA DUTTA

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## Data Scientist / Backend Developer

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### EXPERIENCE:

#### Tooliq

Jr. Data Scientist | March, 2023 - Present

- Developed the NLP based models and the APIs for a web based open text analysis application. The APIs were created using Python Fast API.
- Developing the business logic of the survey recommender engine as well as creating the APIs associated with it. Developed the data engineering for the incremental loading of survey data. Handling and maintenance of the Postgres database used in the stack.
- Creating and maintaining the Elastic stack based Kibana Dashboard used in monitoring of business KPIs and helps in effective business decisions. Data ingestion uses Logstash pipeline hosted in remote server such as Linode.
- Created a custom web scraper to scrape product details from online marketplaces catered to Interior design. It uses a no-sql Mongo DB to handle diverse product details.
- Created the admin panel used for data management for Twinn project. It uses a hosted frontend which connects to the python backend using APIs and the Postgres DB.

#### Otipy (Crofarm)

Data Analyst - Executive | September, 2022 - March, 2023

- Fetch data from databases such as MySQL, BigQuery and Apache Trino and compile them for further analysis.
- Use Python to automate excel reports and schedule it using Apache Airflow.
- Create dashboards using open source visualization tools such as Apache Superset.

#### Giggr Technologies

Artificial Intelligence Engineer | May, 2022 - July, 2022

- Hands on experience in handling tools in Google Cloud Platform like Vertex AI, AutoML, Cloud Run, etc.
- Develop pose estimation model and body landmarks to analyse biomechanics of sports players using Mediapipe library from OpenCV.
- Player/Person detection and tracking using CSRT, Haar cascades, YOLO.
- Face detection and recognition and mapping using OpenCV mediapipe library
- Worked on developing conversational AI using NLP HuggingFace's transformer models like BlenderBot and Google Cloud Platform's Dialogflow.
- Develop OCR models using VisionAI/Document AI API's to extract form data.

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#### 2022 | Great Learning

Post Graduate Program in Data Science

#### 2018 | Vellore Institute Of Technology, Vellore

B.Tech in Mechanical Engineering

### SKILLS:

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|------------|----------------------------|------------------------|
| • Python   | • BeautifulSoup / Selenium | • Appsmith / Retool    |
| • NLP      | • Elasticsearch            | • Airflow              |
| • OpenCV   | • Logstash                 | • Apache Superset      |
| • FastAPI  | • Kibana                   | • HuggingFace          |
| • Postgres | • Nginx                    | • Statistical Analysis |
| • Mongo DB | • Git                      | • MS Excel             |
| • Redis    | • Azure                    |                        |
| • Ubuntu   | • GCP                      |                        |