

# Kajal Mishra

Data Scientist

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🔗 <https://github.com/kajal1301>

## Profile

Data Scientist with Around three years of experience in analytics, specializing in Marketing and Campaign Analytics. Recently focused on Generative AI applications using Large Language modes to enhance data interpretation and automation. Completed a comprehensive course in Prompt Engineering for AI (2024), equipping me with advanced skills in AI-driven problem solving and innovation.

## Skills

### Programming Languages

Python, R, SQL

### Prompt Engineering

### Streamlit

### Python Libraries

Pandas, Numpy, Matplotlib, Seaborn

### Generative AI

#### Machine Learning/ Deep Learning

TensorFlow, Keras, scikit-learn, YOLO V3/V4, Mask R-CNN

#### Data Management

PostgreSQL, Amazon S3, Teradata

#### Tools & Platforms

Flask, AWS EC2, PowerBI, Tableau

## Professional Experience

2024/07

### Data Scientist

*Freelance*

- Developed and Deployed Chatbot Application using GenAI and Langchain.
- Designed and Implemented a Language Translator Application.
- Built a Document Summarization Tool using Large Language Models (LLM) to provide concise, coherent summaries of the PDF entered.
- Build a Resume Review Analyser Tool that inputs the Job Description and Resume and Results in the Quality of the Resume along with suggestions.

2022/01 – 2024/06

Bangalore, India

### Business Consultant

*Quation Solution / Convergytics Analytics*

- Led end-to-end campaign analysis projects, enhancing sales performance by 20% while reducing costs through optimized data analytics using Python, SQL, Tableau, and PowerBI.
- Automated analysis processes with GenAI(GPT 4), increasing efficiency by 30% and reducing turnaround times.
- Improved query performance and data management using Teradata, PostgreSQL, and Amazon S3, driving significant cost savings and informed decision-making.
- Regularly managed revenue and pipeline data across multiple brands, ensuring accurate forecasting and business scaling.

2021/08 – 2021/12

### Associate Data Scientist

*Intellidecision Technologies*

- Managed and executed machine learning and deep learning projects, including natural language processing and image analysis.
- Developed solutions for car damage detection, chatbot implementation, and route optimization, deployed on AWS EC2 instances.

- Spearheaded a data collection and analysis initiative that improved model accuracy by 25%.

## Education

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2017/08 – 2021/07	<b>Btech</b>
Kanpur	<i>Dr. AITH Kanpur</i>
	Computer Science and Engineering

## Projects

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### Marketing Summarization Chatbot

*Gen AI chatbot to automate Marketing Impact Analysis*

- Developed a generative AI chatbot to automate Marketing Impact Analysis, resulting in a 40% reduction in manual data processing.
- Extracted and processed campaign data, implementing ML algorithms for classification and developing an interactive interface.

### Document Summarizer

*GenAI Application that summarizes the uploaded document*

Developed a generative AI application that inputs a PDF document, analyzes it and returns the summary of the PDF Document.

### Car Damage Detection

*Identifying and locating car damage using Mask R-CNN.*

- Built a model to identify and locate car damage using Mask R-CNN, improving damage assessment accuracy by 35%.
- Deployed the model using Flask on Amazon EC2, enhancing the operational efficiency of the inspection process.

### Gender And Age Detection

*Building a gender and age detector for facial images.*

- Created a model to detect gender and age from facial images, achieving 95% accuracy.
- Utilized a diverse dataset for training, leveraging TensorFlow and OpenCV for analysis.

## Certificates

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|---|---|
| • The Complete Prompt Engineering for AI Bootcamp (2024)- Udemy | • Building Gen AI App 12+ Hands-on Projects with Gemini Pro - Udemy |
| • Data Science Masters - PWSKILLS                               | • Applied AI Course On Machine Learning                             |
| • Mastering Redshift - Udemy                                    | • Machine Learning Course- Coursera                                 |
| • AWS Fundamentals -Going Cloud Native - Coursera               | • AWS Fundamentals - Building Serverless Applications - Coursera    |
| • AWS Fundamentals - Addressing Security Risk - Coursera        |   |