

Kimaya Gabhane

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Summary

Data Scientist with over **2+ years** of experience specializing in **Python, SQL, Machine Learning (ML)**, and **Generative AI**. Proven expertise in **LLM** development, **AI/ML** workflows, and advanced data visualization. Skilled in creating production-ready AI/ML models, optimizing data pipelines, and developing innovative AI-driven solutions to solve complex business challenges. Passionate about driving strategic decision-making through actionable insights and cutting-edge AI technologies.

Key Skills

- **Programming Languages:** Python, SQL
- **AI/ML Specializations:** LLM Development, Prompt Engineering, Generative AI, Model Fine-tuning, MLOps
- **Data Processing & Engineering:** Data Cleaning, Feature Engineering, Synthetic Data Generation, Data Transformation
- **Visualization Tools:** Power BI, Tableau, Matplotlib, Seaborn
- **AI/ML Tools & Frameworks:** LangChain, LangSmith, PyTorch, TensorFlow, Keras, Jupyter, yolo, OpenCV, Mediapipe, Sklearn, MLOPS, CICD, AZUR AI, Crew Ai
- **Deployment:** Streamlit, Fast API
- **Other Skills:** Natural Language Processing (NLP), Statistical Analysis, Model Deployment, Cross-functional Collaboration

Professional Experience

JR. DATA SCIENTIST

Lumel Technologies, Chennai

January 2024 – May 2024

- Designed interactive **Power BI** dashboards for financial reporting, reducing report generation time by **50%** and improving operational efficiency.
- Implemented data models and analytical frameworks to improve financial visibility, leading to a **15%** increase in revenue growth.
- Leveraged **Generative AI** techniques to create intelligent reporting solutions, enhancing insights for strategic decision-making.

Data Analyst

Bharat Software Solutions, Pune

November 2022 – December 2023

- Developed **Python-based** machine learning models integrated with SQL and Power BI, enabling actionable insights for business decisions.
 - Built and deployed Power BI dashboards, improving decision-making efficiency by 20% through enhanced data accessibility.
 - Applied **MLOps** best practices to streamline **ML workflows**, reducing data processing and model deployment time by **30%**.
 - Optimized **SQL queries**, reducing response time by **30%**, and implemented fine-tuning for ML models to ensure production-grade quality.
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Projects

Customer Segmentation Using K-means Clustering

- Conducted data cleaning and preprocessing for customer datasets, identifying optimal clusters using the Elbow Method.
- Applied **K-means clustering** to segment customers into groups, improving targeted marketing initiatives by **25%**.
- Visualized insights using **Matplotlib and Seaborn**, enabling better data-driven decisions for customer retention.

Gemini AI - Your AI Companion App

- Developed a **Streamlit-based AI** app integrating text and image query capabilities via **Google's Gemini API**.
- Designed and deployed **real-time NLP** and image-processing workflows, enhancing the app's versatility for use cases like learning aids and content analysis.
- Designed an intuitive, user-friendly interface using Streamlit, optimizing the overall user experience.
- Deployed the app with seamless integration, supporting various use cases like learning aids, content analysis, and idea generation

Text To Image Generator

- Developed a cutting-edge text-to-image generator using **Stable Diffusion**, enabling the creation of high-quality images from text descriptions.
- Integrated powerful machine learning techniques to transform user input text into visually appealing images with intricate details.
- Utilized a user-friendly interface for seamless interaction, allowing users to input text and instantly generate images with high customization options.
- Deployed the system on a robust platform, providing efficient and scalable image generation for various applications like content creation, design inspiration, and creative visualization.

Quick Answers-Pro - AI-Powered Answering System

- Developed an AI-driven answering system utilizing **OpenAI's GPT** model to provide quick and accurate answers to a wide range of user queries.
- Integrated natural language processing for understanding and responding to complex questions, ensuring high accuracy and relevance.
- Built an easy-to-use web interface using Streamlit, offering users a smooth experience for querying and receiving responses.
- Deployed the app on a scalable platform, supporting diverse use cases like instant knowledge retrieval, customer support, and learning assistance.

Education

Bachelor of Engineering (BE) in Computer Science and Engineering

Shri Sant Gajanan Maharaj College of Engineering, Shegaon, 444203

Graduation Date: July 2022