

Dhananjay Gaikwad

Data Scientist

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SUMMARY

Passionate data enthusiast with a strong foundation in analytical thinking and problem-solving. Excel at managing time efficiently and adapting quickly to dynamic environments. Committed to delivering high-quality, data-driven insights while consistently meeting project deadlines. Ready to contribute to impactful solutions and grow in a collaborative, innovation-focused team.

WORK EXPERIENCE

Software Engineer

Dhanyaayai Enterprise Pvt Ltd, Jun 2025 – Till Date

- Designing and developing a database-connected **chatbot** using natural language understanding.
- Enabling functionalities such as create, amend, and fetch operations based on user queries.
- Ensuring smooth handling of region-specific data while maintaining uniformity across structures.
- Collaborating with cross-functional teams to enhance performance, scalability, and accuracy of the system.

Business Analyst

GeBBs Healthcare Solutions, April 2023 – Nov 2024

- Led data analysis initiatives, resulting in a 10% increase in revenue through actionable insights derived from large datasets.
- Spearheaded the development of automated processes using **Python** for exploratory data analysis and ETL, achieving a 40% reduction in data processing time.
- Implemented Python automations utilizing **NumPy**, **Pandas**, enhancing data accuracy by 15%.
- Engineered automation solutions for text extraction from PDFs and images using **Pytesseract** and **OCR**, leading to a 50% reduction in manual entry errors.
- Designed and executed data visualization dashboards in **Microsoft Power BI**, improving decision making processes and driving a 20% increase in operational efficiency.
- Applied **Selenium** for web data extraction and browser automation, streamlining processes and reducing data extraction time by 30%.
- I develop automation utilities that enhance operational efficiency, resulting in an overall savings of **216 hours per month** and a 90% reduction in effort for clients.
- Created Automations for text analysis, sentiment analysis, and pattern searching using **NLTK**, **spacy**, and **regular expressions**.

Production Planning Engineer

ASMI Engineering Works, Jan 2021 – March 2023

- **Strategically planned** and scheduled production tasks, ensuring 100% on-time order fulfilment.
- Designed **Power BI dashboards** to track monthly production data, improving workflow efficiency by **20%**.
- Utilized **Python for data analysis**, optimizing inventory management and reducing costs by **15%**.
- Developed automated **Power BI reports**, streamlining production performance analysis and reporting.

IT PROJECTS

Voice-Driven GenAI Assistant

- Developed an interactive **GenAI Voice Assistant** using **LangChain** and **Groq's Qwen LLM** with **Streamlit** for the user interface.
- Integrated **Google Speech Recognition** for real-time speech-to-text transcription and **pyttsx3** for text-to-speech synthesis, enabling seamless voice interactions.
- Implemented **multi-turn conversation** support with dynamic management of **audio files** for efficient memory usage and cleanup.
- Stored **conversation history** in **text format** for transparency and continuity across interactions.

Chatbot using LangChain and Ollama

- Built an **AI-powered chatbot** using **LangChain**, **Ollama (Llama2)** and **Streamlit** for real-time query responses.
- Implemented **LLM integration** with **optimized prompt engineering** to enhance response accuracy and relevance.
- Designed an **interactive UI with Streamlit**, enabling seamless user interaction and chatbot communication.
- Integrated **LangChain Tracing** to monitor and improve chatbot performance and debugging efficiency.

SKILLS

- **Python:** Numpy, Pandas, Scikit-Learn, Flask, TensorFlow, PyTorch, Seaborn, Matplotlib
- **SQL** (MySQL, MSSQL)
- **Power BI:** Data Connection, Data Transformation, Data Modelling, Data Visualization, Data Reports, DAX
- **AWS:** Amazon EC2, AWS Lambda, Amazon S3, Amazon VPC, Amazon SageMaker, Amazon Bedrock, AWS Lex, Amazon Polly, Amazon Transcribe, Amazon Textract, Amazon Comprehend, Amazon Rekognition, Amazon Kendra, Auto Scaling, Amazon CloudWatch.

Artificial intelligence (AI)

- **Machine Learning**
 - a) **Supervised Learning Algorithms:** Linear Regression, Logistic Regression, Decision Tree, SVM, KNN, Bagging, Boosting, Random Forest
 - b) **Unsupervised Learning Algorithms:** K-means Clustering, Hierarchical Clustering, PCA
- **Deep Learning:** Artificial Neural Network (ANN), Recurrent Neural Network (RNN), Convolutional Neural Network (CNN), Natural Language Processing (NLP), BERT, Transformers, LSTM, Generative AI, Agentic AI

CERTIFICATIONS

AWS Certified AI Practitioner – Amazon Web Services

Oracle Certified AI Foundations Associate – Oracle

Python for Data Science – IBM

Machine Learning With Python– I.T.VEDANT

PROFESSIONAL COURSE

Data Science

I.T. Vedant Pvt Ltd, Thane

EDUCATIONAL QUALIFICATION

B.E. Mechanical Engineer

Mumbai University