



Contact

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LinkedIn

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Education

2017

Bachelor of Engineering (B.E.) in
Computer Science

Gujarat Technological University (GTU)

Soft Skills

- Communications
- Teamwork
- Problem solving
- Initiative
- Attention to detail

Technical Skills

- ML, DL, AI, NLP
- Large Language Models (LLMs), HuggingFace, OpenAI, Gemini
- Data Analysis and Visualization (Tableau, PowerBI)
- Python (including libraries like NumPy, Pandas, and scikit-learn)
- SQL and Database Management
- Time Series Forecasting
- Model Development & Deployment
- ETL Process

Certification

- [Microsoft Azure Fundamental](#)
- [Responsible AI: AI Principles with Google Cloud](#)
- [Generative AI Fundamental](#)
- [Machine Learning A-Z: AI, Python & R + ChatGPT](#)

Bhavesh Padharia

Senior Data Scientist

Results-oriented professional with more than 6 years of comprehensive experience in data analytics, machine learning, and software development, seeking a challenging role as a Data Science Team Leader. Adept at leading cross-functional teams, I have a proven track record in developing and deploying advanced ML models, conducting in-depth data analysis, and spearheading successful projects in diverse domains, including E-Commerce, Smart Supply Chain, Industry 4.0, and Smart Sales. My leadership skills have consistently driven innovative solutions and contributed to organizational success

Experience

Value Chain Solutions (India) Pvt. Ltd - Ahmedabad

Feb 23 - Present

Senior Data Scientist

- **Project Title:** AI Cris Chatbot Document Question and Answer

Contributed as a dedicated employee for an agricultural domain client to develop a chatbot for document question and answer.

Extracted data from PDFs and PPT files, storing it within a MongoDB database.

Developed and optimized the chatbot using the RAG process for performance evaluation.

Leveraged a combination of OpenAI's ChatGPT 3.5 model, open-source Ollama models, and HuggingFace models for chatbot functionality.

- **Project Title:** Chat with PDF

Led a team to develop a highly accurate (95%) chatbot for user interaction with multiple PDFs, providing answers to user questions.

- **Project Title:** Smart Scan

Spearheaded the development of an NLP-powered smart scan system for data extraction from diverse formats (Excel, PDFs, images, CSVs).

Implemented OCR technology for automatic invoice section recognition, eliminating manual user intervention.

Contributed to building a data extraction pipeline that stores data in a format compatible with existing applications.

- **Project Title:** Chatbot Development using LLMs and HuggingFace

Led the development of an intelligent chatbot that extracts information from PDFs in response to user queries.

Implemented natural language understanding (NLU) models to interpret user questions and generate accurate, contextually relevant responses.

- **Project Title:** Inquiry Insight

Contributed to the development of a system for information extraction from various document formats (PDFs, Word documents).

Developed prompts and contexts for efficient data processing.

Integrated an open-source transformer model for information extraction into the data processing pipeline.

- **Project Title:** Product Bulk Scanning

Designed and implemented Python scripts to efficiently scan multiple Data Matrix and QR codes using a dedicated scanner application.

Ensured accuracy and quality in the scanning process, troubleshooting any emerging issues.

- **Project Title:** Deep Learning for Crop Stage Forecasting

Conducted research on agricultural plant crop stages.

Developed a deep learning model (end-to-end) to forecast crop stages using weather data obtained via API.

- **Project Title:** Image Color Identification

Developed a Python script for precise color identification in images, applicable for quality control and design analysis.

- **Project Title:** Model Optimization and Deployment

Played a key leadership role in refining and deploying model code using OSI Pi Vision tools, ensuring alignment with client requirements in the paper industry.

Monitored models for optimal performance, generating detailed reports for clients and actively incorporating their feedback.

Language

English

Hindi

Gujarati

Deets Digital Pvt Ltd - Ahmedabad

JUNE 22 – Jan 23

Data Scientist

- Developing a Python-based Instagram scraping script using Selenium to gather detailed information (usernames, descriptions, bio's, post engagement metrics) from public and private accounts, enabling comprehensive social media analytics.
- Designing a custom Power BI dashboard theme for diagnostic clients, enhancing the visual appeal and user experience for clear and intuitive presentation of key insights.
- Conducting in-depth data analysis on BFSI and FMCG datasets to identify trends, patterns, and actionable insights for strategic decision-making.
- Developing a machine learning model for underwriting in the finance sector, leveraging advanced algorithms to optimize risk assessment and improve efficiency and accuracy in financial operations.

Shivohm Softech Pvt Ltd - Gandhinagar

Jan 21 – May 22

Data Scientist

- Data preprocessing and analysis: Conducted in-depth data analysis to identify optimization opportunities for operations and decision-making processes.
- Time series forecasting: Developed and deployed a sophisticated model specifically for manufacturing companies, significantly improving production planning accuracy and efficiency.
- Data extraction automation: Designed and implemented Python tools to streamline data acquisition and seamlessly integrate it with client software systems for real-time insights.
- ETL pipeline management: Utilized SQL Server to manage robust and efficient Extract, Transform, Load (ETL) processes for data integration and transformation.
- Data visualization: Leveraged Tableau to build, customize, and publish interactive reports, visualizations, and dashboards, empowering stakeholders with actionable insights and driving data-driven decision-making.

Data Scientist

- Specialized in Social Media Analytics within the E-Commerce domain, focusing on leveraging data-driven insights to enhance business strategies and customer engagement.
- Analyzed diverse datasets to develop and deploy end-to-end machine learning (ML) models tailored for specific business solutions within the E-Commerce sector. This involved every stage of model development, from data preprocessing and feature engineering to model training, evaluation, and deployment.
- Conducted rigorous feature selection and extraction to optimize ML model performance and interpretability. This process involved identifying and prioritizing relevant features to enhance predictive accuracy and facilitate meaningful business insights.
- Utilized Tableau to create comprehensive reports and visualizations, extracting actionable insights from data analysis. These reports effectively communicated findings to stakeholders and supported data-driven decision-making processes.
- Employed Python for web crawling and data collection, enhancing data engineering capabilities by retrieving relevant information from web sources. This data was instrumental in enriching datasets and supporting analytical initiatives within the E-Commerce domain.