

KALLURU BHAVESH

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Professional Summary

Results-driven software professional with experience in Python, SQL, Machine Learning, Deep Learning, NLP, Power BI, and LLM technologies. Seeking a Software Engineering or AI/ML role to apply expertise in building scalable solutions, automating pipelines, and delivering insightful dashboards.

Technical Skills

- Programming Languages: Python, R
- Data Analysis: Data Cleaning, Wrangling, Visualization, EDA
- Machine Learning: Supervised, Unsupervised, Reinforcement Learning
- Deep Learning: ANN, CNN
- NLP: Sentiment Analysis, TF-IDF, Word2Vec, Spacy
- ML Libraries: Pandas, NumPy, Scikit-Learn
- Visualization: Power BI, Matplotlib, Seaborn
- LLM Tools: Gemini, Hugging Face, LangChain, OpenAI
- Tools & IDEs: PyCharm, VS Code, Jupyter Notebook
- Databases: SQL, MySQL

Professional Experience

1. Assistant System Engineer

Tata Consultancy Services (TCS) | Aug 2022 – Jul 2023

- Developed and optimized Python-based data pipelines for efficient processing.
- Managed large datasets using SQL and improved querying performance.
- Built Power BI dashboards to deliver real-time business insights.
- Assisted in deploying ML models to production for predictive analytics.
- Improved model accuracy by 30% through optimized data transformations.
- Automated data integration workflows, enhancing reporting efficiency.
- Resolved data quality issues, ensuring high-integrity analytics.

2. ML Engineer Intern

Besant Technologies | Dec 2021 – Jun 2022

- Built ETL pipelines using Python and SQL.
- Preprocessed datasets for ML models, improving data quality.
- Developed Power BI visualizations, reducing processing time by 30%.

Academic Research & Projects

Graduate Researcher | Aug 2023 – Jun 2025

- Built LLM-based chatbots using Dialogflow, LangChain, and Hugging Face.
- Developed custom NLP pipelines for conversation handling and task automation.
- Integrated APIs to enhance chatbot response accuracy.
- Researched transformer-based models for AI-driven applications.

Project Highlights

3. YouTube Summarization using Gemini LLM

- Built an AI tool that summarizes YouTube videos into concise text using Gemini.
- Integrated APIs for automated video parsing and multilingual support.

4. ATS Resume Checker using Gemini LLM

- Developed an AI-driven resume checker to assess ATS compatibility.
- Used Gemini LLM to analyze formatting, keyword usage, and readability.
- Implemented scoring logic and user-friendly resume feedback interface.

5. Power BI Dashboard for Data Professionals Survey

- Built a Power BI dashboard analyzing survey data on job roles, salaries, and tools.
- Connected data from SQL and Excel; visualized insights by country and age group.

Education

Master's in Computer Science (Expected Aug 2025)

Trine University