

Sankarsh G Sanap

Email: sankarshgsanap@gmail.com
Github: <https://github.com/Sankarsh100>

Mobile: +1(571)663-9997
Linkedin: Sankarsh Sanap

SUMMARY

Azure Certified Data Scientist with expertise in SQL, Python, ETL, and Machine Learning, specializing in designing end-to-end data pipelines and predictive models. Experienced in processing and analyzing large datasets to drive actionable insights. Proven track record of optimizing workflows, improving data-driven decision-making by up to 40%, and collaborating cross-functionally to develop impactful ML solutions across healthcare and finance domains.

SKILLS

Languages: Python, PySpark, SQL, R, C, C++, HTML
Frameworks: Scikit Learn, NLTK, SpaCy, TensorFlow, Keras, Pandas, NumPy, Tidyverse, Langchain
Tools: Microsoft SQL Server, MySQL, AWS, Tableau, Excel, RapidMiner, Databricks, Azure, Apache Spark
Soft Skills: Leadership, Event Management, Writing, Time Management, Problem Solving
Certifications: Power BI Certification, Azure Fundamentals Certification

PROFESSIONAL EXPERIENCE

Tata Consultancy Services Limited Pune, India
Data Analyst Aug 2021 – Jan 2024

- Designed and implemented **Power BI** dashboards for prescription fulfillment and patient demographic insights, reducing analysis time by 40% and improving data-driven decision-making.
- Developed Python ETL pipelines, cutting data processing time by 80% from 2 days to 4 hours, boosting reporting efficiency.
- Developed machine learning-based predictive models in Python and R to forecast patient admission rates and prescription demand, improving forecasting accuracy by 25%, enabling proactive resource planning.
- Optimized complex SQL and Oracle DB queries for large-scale healthcare datasets (1M records), reducing query execution time by 40% and improving database performance.
- Implemented an LLM model for automated clinical report summarization, reducing manual review time by 60% and improving data-driven insights for healthcare providers.

Forbes Marshall Private Limited Pune, India
Project Intern Dec 2020 – Feb 2021

- Preprocessed and analyzed over 1.5 million records in Azure Datalake, achieving a 94% classification model accuracy and driving actionable insights for business decisions.
- Designed and conducted A/B tests on supply chain strategies, optimizing vendor selection and inventory control, leading to a 15% improvement in resource allocation.
- Actively participated in Agile sprint planning and daily stand-ups, facilitating cross-functional collaboration and improving project delivery timelines by 20%.

EDUCATION

George Mason University Virginia, USA
Master of Science - Data Analytics Engineering; GPA: 3.9 Jan 2024 – Dec 2025

Courses: Applied Machine Learning, NLP with Deep Learning, Applied Predictive Analysis, Big Data Analytics, Applied Statistics

Savitribai Phule Pune University Pune, India
Bachelor of Engineering - Mechanical Engineering; GPA: 3.9 July 2017 – June 2021

ACADEMIC PROJECT EXPERIENCE

- Data Professional Insights: A Comprehensive Survey Analysis:** Created a Tableau project analyzing trends in data professionals' preferences, salary satisfaction, and industry challenges.
Tech: Tableau, Excel, Azure, SQL
- Engineering Insights: Transforming Uber Data into Actionable Insights:** Led an analytics project transforming Uber data into actionable insights using BigQuery and Looker Studio.
Tech: Google Cloud Platform, Python, Mage, Looker Studio, Big Query
- Predicting Stock Market Trends Using Machine Learning:** Developed machine learning models to enhance stock market forecasting for better investment decisions.
Tech: Python, LSTM, Convolutional Neural Network, Arima, Prophet, Plotly, Pandas, Databricks, K Nearest Neighbour
- LLM Threat Fusion: Integrating Sources for Enhanced LLM Analysis:** Integrated diverse perspectives on LLM threats, providing a comprehensive view of risks associated with large language models.
Tech: Python, OpenAI ChatGPT, LLM, Python