

# Sai Praneeth Kommu

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## PROFESSIONAL SUMMARY

Results driven **Data Scientist** with 3+ years of experience in **SQL, Python, Tableau, and AWS**. Expertise in **Machine Learning, ETL**, and data-driven decision-making, with a keen interest in **GenAI** and **Agentic AI**

## WORK EXPERIENCE

### Data Scientist

Aug 2021 - July 2023

Nichebit Softech Pvt Ltd

- Developed predictive models in **Python**, increasing revenue by 15% & boosting customer retention by 20%.
- Automated ETL processes, reducing data preparation and processing time by 40% using Pandas.
- Optimized **SQL** data pipelines, cutting query processing time by 25% for faster insights.
- Built machine learning models with **TensorFlow, PyTorch, and Scikit-learn** to enhance predictive accuracy.
- Conducted Hypothesis Testing and A/B Testing, leading to a 10% improvement in customer engagement.
- Accelerated model deployment by 30% using CI/CD pipelines and **AWS**, improving operational efficiency.

**Skills:** Python, SQL, Machine Learning, Deep Learning, GenAI, Hypothesis Testing, A/B testing, AWS

### Data Analyst Intern

Aug 2020 - July 2021

Nichebit Softech Pvt Ltd

- Automated interactive dashboards using **Excel, Tableau, and Power BI**, reducing reporting time by 40%.
- Improved ROI by 15% through **Exploratory Data Analysis & statistical analysis** using **Python** and **SQL**.
- Collected data through web scraping to enhance market analysis and business insights.
- Developed a **Django** application for reporting and integrated it with version control using **Git**.

**Skills:** Python, SQL, Excel, Tableau, Data Analytics, Data Pipelines, EDA, Forecasting, Query Optimization

## PROJECTS

### Covid-19 in India Dashboard Analysis

[Link](#)

- Designed Tableau dashboards to analyze 1M+ records for YOY sales and KPIs, improving efficiency by 25%.

### Credit Card Complaints Dashboard Analysis

[Link](#)

- Created a Tableau dashboard for 86 K+ credit card complaints, focusing on billing disputes & identity theft.

### Text Summarization - NLP

[Link](#)

- Engineered an end-to-end NLP project for text summarization, integrating GitHub Actions for CI/CD, utilizing MLOps for model management, and deploying the solution for real-time use.

### Chicken Disease Classification - Deep Learning

[Link](#)

- Constructed and deployed a deep learning model for chicken disease classification, incorporating MLOps and managing version control with DVC for efficient monitoring and scaling.

## TECHNICAL SKILLS

**Programming Language:** Python (Pandas, Numpy), SQL (PostgreSQL), R, Java, JavaScript, Matlab

**Data Analysis:** Microsoft Excel, Pivot Tables, EDA, Data Modeling, Statistical Analysis, Data Collection

**Data Visualization:** Tableau, Power BI, Business Intelligence, KPIs, Matplotlib, Dashboards, Reporting

**Machine Learning & GenAI:** TensorFlow, Scikit-learn, Keras, PyTorch, Feature Engineering, Predictive Modeling, Deep Learning, Natural Language Processing, NLP, LLMs, AI

**Cloud & Big Data:** AWS, Snowflake, ETL Pipelines, Data Warehousing, Hadoop, Apache Spark, Docker

**Data Management:** Databases, NoSQL (MongoDB), Data Wrangling, Data Cleaning, Data Mining

## EDUCATION

**Masters in Computer Science - (Data Analytics)**

Graduated Dec 2024

New Jersey Institute of Technology (NJIT)