

POOJITHA M

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ELEVATOR PITCH

Python Developer with 5 years of experience in data analytics, automation, and machine learning. Skilled in building dashboards, optimizing ETL workflows, and integrating APIs for seamless data solutions. Passionate about solving problems with scalable and efficient technology.

PROFESSIONAL EXPERIENCE

VIAAN LLC

Chesapeake, VA

Python BI Developer

12/2023-Present

- Designed and implemented interactive dashboards using Tableau, improving real-time analytics and reducing reporting delays by 40%.
- Developed Python-based ETL processes utilizing Apache Airflow, PySpark, Pandas, and SQL, cutting data processing time by 50% and ensuring seamless data flow.
- Migrated legacy data systems to Google BigQuery and AWS Redshift, resulting in a threefold increase in data retrieval speeds.
- Built machine learning models with Scikit-Learn and TensorFlow to predict hospitality industry trends, enhancing occupancy rate predictions by 20% and informing pricing strategies.
- Developed REST API connectors to integrate third-party travel and motel data, enabling real-time updates for pricing and availability, reducing outdated data by 90%.

TRUTRIP.IN

Telangana, India

Sr. Data Analyst

02/2021-12/2021

- Utilized Python and Tableau to analyze historical travel data, resulting in a 15% increase in booking accuracy and revenue.
- Streamlined data ingestion from GCP and AWS S3 using Python and Apache Airflow, reducing manual data handling time by 50%.
- Integrated live travel data APIs with in-house BI systems, improving real-time visibility and decision-making capabilities for corporate clients.

VIJAYA RATNA EDUCATIONAL SOCIETY

Telangana, India

Data Analyst

05/2019-01/2021

- Utilized Python with Beautiful Soup to scrape and compile educational data from various online sources, enhancing the comprehensiveness of academic performance reports.
- Created machine learning algorithms to forecast student dropout risks, enabling early interventions and improving retention rates using Matplotlib.
- Designed interactive dashboards using Power BI to monitor student attendance and performance metrics, facilitating data-driven decision-making for faculty.

TECHNICAL SKILLS

- **Programming Languages:** Python, HTML
- **Data Visualization:** Power BI, Tableau, Matplotlib
- **Machine Learning Frameworks:** Scikit-Learn, TensorFlow
- **Database Management:** SQL, MySQL, MongoDB, Google BigQuery, AWS Redshift
- **ETL Tools:** Apache Airflow, Pandas, PySpark
- **Cloud Platforms:** Amazon Web Services (AWS), Google Cloud Platform (GCP)
- **API Development:** RESTful APIs
- **Natural Language Processing:** NLP Techniques
- **Data Analysis:** Statistical Analysis, Predictive Modeling
- **Automation:** Python Scripting, Process Automation
- **Version Control:** Git
- **Soft Skills:** Problem-solving, Communication, Team Collaboration

EDUCATION

SAINT LEO UNIVERSITY

Master of Science in Computer Science

San Antonio, FL

01/2022-03/2024

- Bridging data, intelligence, and innovation to craft smarter solutions.

INTERNSHIPS

TRUTRIP LLC

BI Developer Intern

St. Petersburg, FL

03/2023-08/2023

During my internship at Trutrip LLC, I developed a customized Power BI report to monitor enterprise travel expenses.

- Automated data ingestion from GCP and AWS S3 using Python and Apache Airflow, reducing manual data handling by 50%.
- Built SQL-driven dashboards for corporate customers, decreasing reliance on manual reporting and enhancing data accuracy.

VRCS

Data Analyst - Intern

Hyderabad, Telangana

09/2018-04/2019

During my internship at Vijaya Ratna Educational Society, I developed a Python-based web scraper using BeautifulSoup to collect and analyze educational data from various online sources.

- Automated the extraction of relevant information, reducing manual data collection time by 70%.
- Provided actionable insights to improve educational strategies and student performance.

CERIFICATIONS

- [Microsoft Certified](#): Azure Data Fundamentals: Demonstrated foundational knowledge of data concepts and Azure data services.
- [Tableau Desktop Specialist](#): Certified proficiency in using Tableau Desktop for data analysis and visualization.

PROJECTS

AI-Powered Fraud Detection System

- Built ML models (RandomForest, GradientBoosting) to detect fraud in financial transactions.
- Integrated Streamlit UI for real-time fraud predictions and API-based alerts.

Automated Data Cleaning & Validation Tool

- Developed Python-based ETL pipelines for automated data cleaning & anomaly detection.
- Implemented JSON-based reporting for transformation insights.

ADDITIONAL INFORMATION

- **Languages:** Fluent in Telugu (native), English, Hindi