

CHITTARANJAN TADIKONDA

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Summary

Multifaceted data professional with expertise in data analytics, product analysis, data science, engineering, and AI. Adept at leveraging SQL, Python (Pandas, NumPy, scikit-learn, PyTorch), and visualization tools (Power BI, Tableau) to extract insights, automate reporting, and optimize decision-making. Experienced in designing robust data pipelines and deploying models on AWS, Azure, and cloud environments. Skilled in end-to-end data tracking, ETL processes, and predictive analytics, driving business efficiency across diverse industries. Proven ability to collaborate cross-functionally, refine data strategies, and implement innovative analytics solutions.

Skills

Programming Languages: Python (Pandas, NumPy, SciPy, sklearn, Matplotlib, PyTorch, FastAPI), SQL(Snowflake), JavaScript (NodeJS, ReactJS), Java
Databases: MS SQL (Joins, CTE, Subquery, CAST function, Case, Views, Store Procedures, CRUD), PostgreSQL, MongoDB, Redis, Amazon RDS
Data Visualization: Power BI, Tableau, D3.js, Seaborn, Plotly, Microsoft Excel (Pivot table, VLOOKUP, Nested IF)

Methodologies: Exploratory Data Analysis (EDA), A/B Testing, Data cleaning & preprocessing, Statistical Analysis (Regression Analysis, Hypothesis Testing), Data Modelling, Data Wrangling, Web Scraping, Data Governance, Feature Engineering, Google Tag Manager, Pendo

UI Tools: HTML5, CSS, Tailwind CSS, Bootstrap5, Bluma, Figma, Chrome DevTools

Tools & Platforms: Docker, GIT, Jupyter Notebook, AWS, VS Code, Jira, Slack, Microsoft 365, Google Colab, Anaconda

Additional: Machine Learning (NLP, K-means, PCA, SVM, Decision Trees, Neural Networks, GEN AI), REST API, Microservices, Cloud Computing

Work Experience

NENINE Technologies

Apex, NC

Analyst

Nov 2024

- Optimized SQL queries for data extraction, transformation, and analysis, increasing reporting accuracy and efficiency by 25%, enabling better decision-making.
- Applied Agile methodologies in scrum sessions, enhancing application design and performance tuning for admin workflows.
- Conducted EDA using NumPy, Pandas, Matplotlib, and Seaborn, improving data-driven decision accuracy by 15% through actionable insights.
- Built Tableau dashboards for real-time performance tracking, enabling senior management to make faster, data-driven strategic decisions.

Webcay (Extern)

NY, New York

Data Analyst

Sep 2024 – Oct 2024

- Analyzed and labeled 100+ smart contract vulnerabilities, managing data categorization and risk assessment with high accuracy.
- Conducted frequency and correlation analysis on 1,000+ risk tags through SQL queries, pinpointing key vulnerabilities.
- Conducted statistical analyses such as regression and hypothesis testing to identify patterns and trends, improving data-driven decision-making for stakeholders by 30%.
- Developed clustering models with Python to profile 500 contracts, while employing Excel and Tableau for creating and maintaining visual Dashboards.

WML IT Solutions

Hyderabad, India

Data Scientist

June 2021 – July 2022

- Enhanced data quality by 30% through ingestion and preprocessing of data from multiple sources utilizing Python and SQL, including efficient SQL query creation for optimal data manipulation.
- Employed NLP techniques on 100,000+ textual data points to identify actionable insights in Indian political data, informing three strategic models all achieving prediction accuracy.
- Utilized Python libraries (SciPy, Pandas, and NumPy) and SQL queries to execute detailed statistical evaluations on datasets, enhancing predictive modeling accuracy and report generation.
- Automated data processes in Python to significantly reduce processing time by 68% and delivered 25+ impactful data visualizations for stakeholders using Tableau dashboards.

Data Analyst

Aug 2020 – May 2021

- Transformed data from 5+ sources using Python, SQL, and Excel, boosting processing speed by 40% and preparing datasets for analysis.
- Developed and maintained 10+ interactive Tableau dashboards, increasing decision-making accuracy by 25%, and delivered analytical reports with KPIs, improving data-driven decisions by 30%.
- Applied statistical methods to perform correlation and variance analysis, optimizing data categorization and boosting data integrity by 20%.
- Ensured data integrity through weekly audits, applying validation best practices, and resolving quality issues, enhancing reliability by 20%.

Education

Missouri University of Science and Technology, Rolla

GPA:4.0

Master of Science, Information Science and Technology

Aug 2022 - May 2024

Certifications & others

- [Machine Learning with Python - Level 1: Issued by IBM](#)
- [Business Analytics & Data science - Graduate certificate: issued by Missouri university of science and Technology](#)
- [AWS Certified Cloud Practitioner](#)
- [BCG GenAI Job Simulation on Forage](#)