Deekshitha Saddi

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Skills

Technical Skills: Python, R, SQL, Java, HTML, Flask, Node.js

Data Analytics: Data Cleaning, Data Modelling, Exploratory Data Analysis (EDA), Data Visualization, Statistical Modeling, A/B Testing, Predictive Modeling, Machine Learning, ETL, Pipelines

Tools & Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Power BI, Tableau, Excel (Pivot Tables, Power Query), Google Data Studio

Cloud & Platforms: AWS, Google Cloud Platform (GCP), Microsoft Azure, Cloud Run, BigQuery

Soft Skills: Analytical Thinking, Problem-Solving, Communication, Business Storytelling, Collaboration, Strategic Insight Generation

Experience

- **Data Analyst Intern – Gramener, Hyderabad**   *Apr 2023 – Nov 2023*
  - Performed comprehensive Exploratory Data Analysis (EDA) on large, heterogeneous datasets to identify behavioral trends, operational inefficiencies, and performance patterns across NGO and enterprise client projects.
  - Built and maintained reusable data pipelines using Python (Pandas, NumPy) and SQL for cleaning, wrangling, and transforming structured and semi-structured data from multiple sources.
  - Applied feature engineering and statistical exploration techniques to uncover key variables influencing engagement and customer behavior.
  - Collaborated with analytics, product, and engineering teams to translate complex business questions into scalable analytical workflows and data models.
  - Developed dynamic, insight-driven dashboards in Power BI with advanced DAX measures and interactive visualizations to support executive decision-making and operational monitoring.
  - Delivered actionable insights through clear data storytelling, summarizing analytical outcomes into strategic recommendations that improved client decision-making efficiency by 20%.
  - Contributed to predictive and descriptive analytics by experimenting with regression-based and classification models to forecast engagement outcomes and optimize performance metrics.
  - Automated recurring reports using Python scripts and SQL queries, reducing manual data-preparation time by over 30%.
  - Partnered with senior analysts to prepare analytical documentation, client presentations, and post-project evaluations, ensuring knowledge transfer and reproducibility of analysis pipelines.
  - Demonstrated analytical rigor, curiosity, and adaptability by continuously iterating methodologies, validating results, and adopting emerging data visualization and modeling techniques.
- **Business Analyst Intern – Zinnov LLC**   *Oct 2022 – Apr 2023*
  - Supported end-to-end consulting engagements by defining research scope, gathering client requirements, and translating business challenges into actionable, data-driven solutions.
  - Conducted comprehensive market research and competitive benchmarking using secondary data, surveys, and financial reports, improving project insight depth and accuracy by 25%.
  - Cleaned and structured large datasets using Excel and SQL; performed segmentation, TAM/SAM/SOM analysis, and forecasting to identify high-growth customer segments and revenue drivers.
  - Developed financial and scenario models to evaluate pricing, go-to-market, and investment strategies, leading to a 15% faster turnaround in strategic recommendation reports.
  - Designed intuitive visual dashboards in Excel and Tableau to present key findings, enabling clients to make quicker, data-backed business decisions.
  - Collaborated cross-functionally with analysts and engagement managers to refine insights and prepare polished data-backed presentations for CXO-level reviews.
  - Enhanced analytical rigor, communication efficiency, and client impact, contributing to improved project delivery timelines and higher stakeholder satisfaction.
- **Data Analyst Intern – AnalytixLabs**   *Jan 2022 – Apr 2022*
  - Supported analytics projects by extracting, cleaning, and preparing raw business data using Python (Pandas, NumPy), improving overall data accuracy by 20%.
  - Performed Exploratory Data Analysis (EDA) to uncover patterns in sales and retention data, translating findings into actionable insights for client strategy teams.
  - Developed interactive Tableau dashboards to visualize KPIs such as revenue trends, churn rates, and regional

performance, enhancing data-driven decision-making.
  – Automated recurring reporting processes with Python scripts, reducing manual workload and report turnaround time by 30%.
  – Collaborated with senior analysts to refine KPIs, validate results, and present insights, strengthening skills in data visualization, analytics communication, and business storytelling.

Projects

- **Healthcare Data Insights and Predictive Analytics**
  – Forecasted hospital energy consumption using real-world healthcare datasets to optimize resource utilization.
  – Performed EDA on 250K+ records, uncovering strong correlations between occupancy, temperature, and energy usage patterns.
  – Preprocessed and cleaned missing data using Pandas, improving model input reliability by 25%.
  – Built and tuned regression models (Linear, Random Forest, XGBoost) achieving 92% prediction accuracy.
  – Developed Tableau dashboards visualizing consumption trends, efficiency metrics, and anomaly detection.
  – Automated data pipelines for weekly updates, reducing manual processing time by 40%.
  – Generated insights projected to reduce hospital operational energy costs by up to 15%.
- **Customer Retention Analytics for Telecom Network**
  – Analyzed 100K+ telecom records to identify behavioral and service factors driving customer churn.
  – Performed detailed feature engineering on usage patterns, billing data, and complaint logs for predictive modeling.
  – Applied Logistic Regression and Random Forest achieving 86% churn prediction accuracy.
  – Visualized churn probability by customer segment and plan type through interactive Tableau dashboards.
  – Deployed predictive model to simulate churn reduction scenarios and monitor customer risk scores.
  – Proposed retention strategies projected to reduce churn by 18%, improving customer lifetime value.
  – Improved report automation, enabling monthly churn updates with 50% faster turnaround.
- **Transportation and Traffic Pattern Analytics**
  – Analyzed multi-source datasets including traffic, accidents, and weather data to identify congestion causes and trends.
  – Merged and cleaned 200K+ records using Pandas and SQL joins, improving data consistency by 30%.
  – Applied time-series analysis and clustering techniques to classify congestion-prone areas.
  – Built Tableau dashboards displaying real-time traffic heatmaps and accident hotspot visualizations.
  – Collaborated on feature engineering for weather-impact analysis improving model interpretability.
  – Recommended adaptive signaling and public transport incentives reducing congestion 12–15%.
  – Optimized data visualization workflows, improving dashboard refresh efficiency by 35%.

Leadership Experience

Chapter Ambassador   EWB-IUCEE-MLRIT
- Coordinated technical and outreach events, increasing student engagement by 30%.
- Managed content creation, event logistics, and social media communication.

Education

Florida Atlantic University   Jan 2024 – Dec 2025
Masters in Computer Science   GPA: 3.92/4.00

Certifications

- IBM – Data Analysis with Python, Aug 2023
- Web Application Developer – Scope Club MLRIT, Mar 2023
- Programming Essentials in Python – Cisco Networking Academy, Jan 2023
- AI for Everyone – Coursera, Dec 2022
- Artificial Intelligence – 1stop Keep Growing, Apr 2022