Sai Hemanth Kumar Kattamuri

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SUMMARY

Data science enthusiast with advanced analytics skills, pursuing a Master's in Management Information Systems, with expertise in SAP PI/PO.

SKILLS

SQL: SQLite, MySQL, PostgreSQL

Python: Pandas, NumPy, Scikit-learn, Seaborn, Keras

Data Analysis/Visualization: Power Bi / Tableau

Excel: Power Query, Pivot Table, Pivot Chart, LOOKUPs, VBA

R Programming: dplyr, shinny, ggplot, tm, tidyr

Cloud based Analytics Platforms: Google Analytics, SaS Viya

SAP: SAP NetWeaver, SAP PO 7.5

API testing: Postman, SOAP UI

PROJECTS

Mobile Phone Prices Analysis
University of Memphis • December 2024
- Performed missing data handling and standardization of features, category encoding and feature scaling using Python Pandas and Scikit-learn.
- Performed correlation analysis on 21 variables using heatmaps(Seaborn) to identify correlated features within the dataset.
- Used Random Forest Aggressor to understand the importance of features and reduced 5 features through feature combination.
- Partitioned the data set using hold-out method while carefully representing consistent example records across every set.
- Built Linear Regression, Decision tree models and chose Decision tree(83% accuracy) considering the complex relationships between features.
- Built interactive dashboards using PowerBI to report findings and build price prediction tools.

New York Housing Prices Analysis
University of Memphis • March 2024
- Conducted data preprocessing and exploratory data analysis using Excel on a Housing prices dataset with 14000+ records.
- Utilized R to perform chi-square tests, t-tests, ANNOVA, and F-tests, identifying significant factors influencing housing prices.
- Built a Linear Regression model with an R^2 score of ~85%, accurately predicting housing prices, incorporating advanced feature engineering techniques (e.g., log transformations, polynomial terms, and interaction effects) to enhance model performance.
- Presented findings through 6+ visualizations in Tableau, effectively communicating actionable insights to stakeholders.

EDUCATION

Master of Science in Management Information Systems
Minor in Data Analytics for Technology and Management • University of Memphis • Memphis, TN • May 2025 • 4.0
Awarded International Merit scholarship for 2 years.

Bachelor of Technology in Computer Science
Gandhi Institute of Technology and Management • Vishakapatnam, India • 2018 • 8.01 (on a scale of 10)

EXPERIENCE

SAP Analyst
Genpact India Private Limited   June 2022 - July 2023，Hyderabad, India
- Developed 5 file-to-file interfaces to generate automated Gmail notifications to external customers based on requirements.
- Designed 4 IDoc to SOAP interfaces to generate order confirmation messages from SAP to non-SAP systems.
- Implemented User Defined Functions (UDFs) in Java within PI/PO message mapping for complex data transformations.
- Facilitated client meetings to gather business requirements for interface development.
- Deployed real-time alerts across 18 critical interfaces, reducing error identification time from 45 minutes to 15 minutes.

SAP PI Consultant
Nuclusmind Technologies   June 2018 - April 2022，Kolkata, India
- Diagnosed and resolved 10 PI issues per month identifying root causes for failed messages such as mapping and missing field errors.
- Collaborated with development teams to address PI issues and resolved 50+ Service now tickets per month within SLA.
- Supported User Acceptance Testing (UAT) through test case preparation and root cause analysis.
- Compiled weekly and monthly error reports, analyzing patterns and delivering insights for system optimization.

CERTIFICATIONS

Google Analytics - Google(2025) , Data Analytics for Technology and Management - University of Memphis(2025).