

Kolipaka Sai Mohan Krishna

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HYDERABAD - TELANGANA

Professional Summary:

- I want to Excel in this Field with Hard Work Perseverance and Dedication To be a part of Growing Organization by Working in a Challenging Position that Offers the Opportunity to Work Smart, Where can utilize My Technical Skills and Knowledge and Skills for Enhancement of the Organization and to be on Learning Curve.

Professional Experience:

Associate Software Engineer (ASE) at TCS:

Tata Consultancy Services (TCS) – Hyderabad, Telangana | Feb 2022 – Dec 2024

- Reviewed and approved Travel & Expense submissions, increasing process efficiency by 15% through semi-automated workflows.
- Used Excel and SQL to audit and analyze employee expenditures and generate monthly reports.
- Collaborated with finance and HR teams to resolve policy discrepancies, improving compliance.
- Developed categorization logic and business rules using Python for automated classification.
- Documented workflows and trained new team members on standard procedures and tools.
- Led monthly review meetings to discuss anomalies and proposed action plans.

Technical Skills:

- **Languages:** Python, SQL
- **Tools:** Power BI, Tableau, Excel, Jupyter Notebook, Google Colab
- **Libraries/Frameworks:** Pandas, NumPy, scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn
- **Techniques:** Regression, Classification, Time Series, NLP, EDA, Data Cleaning
- **AI/ML Exposure:** LSTM, OCR, YOLO, Generative AI, ChatGPT, LangChain
- **Soft Skills:** Problem Solving, Communication, Collaboration, Time Management

Projects:

Project #1:

Travel Aggregator Analysis

GOAL: Analyze user activity across booking sessions and search patterns to enhance platform experience

TOOLS: Python, Matplotlib, Seaborn, Pandas

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DESCRIPTION:

Performed data analysis on user interaction logs from a travel aggregator platform to identify pain points, drop-off areas, and peak usage trends.

Roles & Responsibilities:

- Conducted data wrangling on multi-source user session datasets.
- Built visualizations (heat maps, pie charts, time series) to identify drop-off points and customer behavior.
- Detected booking timeframes and content layout impact on conversion.
- Shared recommendations with the design team to improve UI/UX and retention.
- Tracked metrics like session duration and abandoned cart rate.

Project #2:

Heart Disease Analysis

GOAL: Predict heart disease based on medical attributes and suggest actionable health interventions

TOOLS: Python, scikit-learn, Pandas, Matplotlib

DESCRIPTION:

Designed a binary classification model that predicts the likelihood of heart disease based on medical and lifestyle factors, aiding doctors in early diagnosis.

Roles & Responsibilities:

- Used scikit-learn to build classification models including Logistic Regression and Random Forest.
- Performed EDA to understand feature correlations and distribution.
- Achieved an F1-score of over 85% on test data with balanced precision and recall.
- Visualized key health drivers using bar charts and correlation heat maps.
- Documented and communicated model results to clinical stakeholders.

Certifications & AI Upskilling

- Generative AI Fundamentals – Google (In Progress)
- Introduction to Prompt Engineering with ChatGPT – Coursera
- Power BI Data Analyst Associate (DA-100) – Microsoft (Planned)

Qualification:

- **B.Tech** 2020 Vijaya Engineering College ,Khammam.

Declaration:

I am confident of my ability to work in a team. I hereby declare that the information furnished herein is true to the best of my knowledge.

(Kolipaka Sai Mohan Krishna)