Prasanna Kottur

prasannakttur@gmail.com| LinkedIn| Portfolio |+1(682)392-0536

EDUCATION

The University of Texas at Arlington   **Arlington, Texas**
Master of Science in Business Analytics   January 2023 – December 2024
Savitribai Phule Pune University   **Pune, India**
Bachelor of Engineering in Computer Engineering   June 2018 – June 2022

EXPERIENCE

Reality AI Inc.   **January 2025 – Present**
Generative AI Data Analyst   *San Francisco*

- **Modernized data processing** by developing a **Python script** to clean 250,000+ records, resulting in more accurate data for the marketing team's A/B testing on customer acquisition.
- Developed and maintained 3+ **Tableau dashboards** to visualize key business **KPIs**, streamlining reporting processes 30%.
- Catalyzed a 30% **improvement in data quality** by conducting deep-dive assessments on 250,000+ operational data entries, which enabled the team to eliminate redundant tasks and prioritize critical data fixes.
- Led 5+ **user testing sessions**, analyzed interaction patterns, and delivered actionable insights to stakeholders, improving user experience and engagement by 15%.
- **Streamlined data validation** processes using Python, reducing data inconsistencies by 40% and improving reporting reliability.

OpenQQuantify   **September 2024 – December 2024**
Business Intelligence Analyst   *Washington DC*

- Monitored and optimized 10+ key performance indicators (**KPI**s), leading to a 20% improvement in marketing campaign effectiveness through data-driven insights.
- **Analyzed datasets** of 500K+ records to uncover trends, correlations, and business patterns, delivering strategic recommendations that improved decision-making efficiency.
- Streamlined **repetitive reporting processes**, reducing manual effort by 40% and cutting operational costs by 15% through process automation.
- Integrated real-time analytics systems, enabling early risk detection and **accelerating business response** times by 25%, leading to more agile decision-making.

Trip AI   Technologies   **August 2024 – December 2024**
Business Intelligence Analyst   *Dallas*

- **Developed AI-driven chatbots** using OpenAI's API and PandasAI to streamline **flight data retrieval**, improving **query response time by 40%** and enhancing decision-making for airline operations.
- **Standardized and automated data validation** for unstructured **flight load sheet data**, improving **data accuracy by 30%** and ensuring seamless reporting in **structured formats (CSV)**.
- **Designed interactive dashboards** in **AWS QuickSight** and **Power BI**, visualizing **operational KPIs** like weight distribution and fuel consumption, leading to a 25% improvement in data-driven decision-making.
- **Managed and optimized a database** of 250,000+ flight records, ensuring **data integrity** and enabling **real-time performance tracking**, improving **operational efficiency by 20%**.

Funding Pips   **January 2022 – December 2023**
Business Intelligence Analyst   *Dallas*

- Spearheaded the creation of a **risk management dashboard** using generative AI to monitor portfolio risks, which reduced potential losses by 10% during volatile market conditions within 1 quarter.
- Performed in-depth **financial analysis**, leveraging QuickBooks, IRR, and **Fibonacci Retracement** to support portfolio management decisions.
- Conceptualized **Envestnet Tamarac** for portfolio rebalancing, **performance tracking**, and client reporting, optimizing trading efficiency.
- Ensured compliance with **regulatory guidelines** and internal risk policies, mitigating trading risks and ensuring **trade accuracy**.
- Conducted **data audits** and reconciliations to prevent errors, ensuring portfolio accuracy and optimizing **performance metrics**.
- Monitored **daily risk** positions and P&L, ensuring accurate financial tracking and reporting to support **trading strategies**.

SKILLS

- **Data Analytics & Visualization**: Python (Pandas, NumPy, Matplotlib), R, SAS, Tableau, Power BI, AWS QuickSight, Pivot Tables.
- **Database Management:** MySQL, MS SQL Server, SQLite, Microsoft Access.
- **Financial & Statistical Modeling:** NPV, Random Forest, Linear Regression, Logistic Regression, Neural Networks, Clustering, QuickBooks.
- **Cloud & Computing:** Amazon Web Services (AWS), Microsoft Azure, Anaconda, Jupyter Notebook, Spyder.
- **AI & Automation:** LangChain, Retrieval-Augmented Generation (RAG), Prompt Engineering, OpenAI APIs, JSON, Google Cloud.
- **Programming & Scripting:** C, C++, JavaScript.

PROJECTS

AI-Powered Math Questions Solving Chatbot   *Hugging Face, Python, NLP*
Stock Market Dashboard using Power BI   *Power BI, Data Visualization, SQL, Excel*
AI-Powered Math Questions Solving Chatbot   *OpenAI API, Python, NLP*
AI-Driven Fraud Detection System   *PySpark, Scikit-Learn, XGBoost, Kafka*