PRATIBHA CHITTA

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PROFESSIONAL SUMMARY

Data Analyst with 4+ years of experience transforming complex datasets into actionable business insights. Proficient in advanced SQL, Tableau, and ETL processes, adept at bridging technology and operations. Demonstrates a strong record of developing interactive dashboards and predictive models to drive strategic decisions and optimize processes.

TECHNICAL SKILLS

- **Certifications**: Microsoft Certified: Power BI Data Analyst Associate, AWS Data Analytics, AWS Cloud Foundations
- **Programming Languages**: Python, SQL, PL/SQL, R, C/C++
- **Databases**: MySQL, PostgreSQL, SQL Server, MS Access, MongoDB, DynamoDB, Oracle
- **Tools & Technologies**: Tableau, Power BI, SAS, Alteryx, Airflow, QlikView/Qlik Sense, AWS, Azure, Databricks, Teradata, SharePoint, Confluence, JIRA, Trello, GCP, BigQuery, Kafka, PySpark, S3, EC2, EKS, Redshift, Lambda, Spark, Advanced Excel
- **Frameworks & Methodologies**: PyTorch, TensorFlow, Keras, Git, Agile, Scrum, Kanban, Lean-Agile
- **Statistical Techniques**: EDA, predictive modeling, regression, clustering, classification
- **Core Skills**: Business analysis, model training, data manipulation, machine learning, data visualization, data mining, deep learning, text mining, NLP, QA, Root Cause Analysis, automation tools, Data Engineering, Provider Analytics, Client Facing Experience

WORK EXPERIENCE

Systemsoft Tech   **Oct 2024 - Present**
Data Analyst   *Seattle, WA*
- Performed exploratory data analysis on large datasets using Python and R, applying rigorous cleaning, feature engineering, and ETL procedures to ensure data accuracy.
- Developed interactive dashboards with advanced Tableau and Power BI, integrating real-time trends from Microsoft SQL Server and aligning reports with business requirements.
- Engineered and validated predictive models using Linear Regression, Decision Trees, Random Forest, and Support Vector Machine in Python with scikit-learn to drive consultative insights.
- Collaborated with business teams to perform GAP analysis, pinpoint process improvements, and optimize data strategies.

WISEcode   **Jan 2023 - Jun 2023**
Data Science Intern   *Chicago, IL*
- Transformed a large food product database (1.6M entries) using Python libraries (Pandas) to convert raw data into structured, analytics-ready datasets for exploratory analysis.
- Engineered a Recurrent Neural Network (RNN) with TensorFlow and PyTorch, achieving 98% accuracy by leveraging LSTM layers for sequential data processing.
- Optimized deep learning models through hyperparameter tuning with Keras Tuner, dropout regularization to mitigate overfitting.
- Enhanced data processing efficiency by 40% through advanced feature engineering, dimensionality reduction techniques using PCA.

BME UIC   **Jan 2022 - Dec 2022**
BME Analyst   *Chicago, IL*
- Facilitated requirement elicitation sessions with faculty to gather, analyze, and document business requirements, ensuring alignment with data reporting needs.
- Conducted business process modeling with Lucidchart and UiPath Process Mining to identify inefficiencies, define KPIs, and optimize workflows, effectively bridging technology and operations.
- Collaborated in Agile/Scrum teams using JIRA for project tracking, backlog refinement, and sprint planning to drive process automation initiatives with minimal supervision.
- Leveraged Power BI and SQL to analyze large datasets, generate actionable insights, and design SQL-driven dashboards that tracked financial trends and supported business decisions.

P. Kothari Investments Inc   **Aug 2020 - Aug 2021**
Data Engineer   *Mumbai, India*
- Executed complex SQL queries on terabytes of financial data and automated ETL pipeline using Apache Spark for efficient aggregation.
- Designed scalable data architecture with Kafka, ensuring data integrity and accessibility for client-facing analytics.
- Implemented ETL pipelines, AWS Glue to automate data ingestion, integrating diverse data feeds to support exploratory data analysis.
- Developed data validation routines with PySpark to ensure the accuracy and completeness of financial datasets.

EDUCATION

University of Illinois at Chicago
Master of Science, Business Analytics

University of Mumbai
Bachelor of Engineering, Computer Engineering