Priyadarshini Madhusudanan

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Business Analyst with **5 years of experience** in the Banking Services and Finance (FinTech IT) sector.

EDUCATION

Master of Science. **Business Analytics** (California State University, East Bay) **GPA: 3.96**   Jan 23-Present
Outcomes: Advanced Machine Learning, Data Science, Big Data, Data Warehouse, Statistics, Business Intelligence, Project Management, Time Series, Marketing Analytics

Bachelor of Engineering. Electrical and Electronics (Anna University, India) GPA: 8.1/10   May 2017

SKILLS

Technology: SQL (Microsoft SQL, MySQL), Programming: Python, R, Git; Azure, AWS, S3, Big Query, MapReduce, Spark, JIRA, Confluence, Hadoop, Hive, RDBMS, Microsoft Visio, MS Project, Redshift, EMR
Data Visualization: Power BI, Tableau, Microsoft Excel, pivot tables, v-look ups, VBA, Data Modeling;

Data Analytics: Regression, A/B Testing, Clustering, Classification, Neural Networks, Hypothesis Testing, NLP, Text Mining, Sentiment Analysis, Supervised Learning, Web Scraping, ETL, Time Series Forecasting, ARIMA

Agile Project Management: Scrum, Kanban, Root Cause Analysis, Requirements Design, Risk Management, Resource Allocation

EXPERIENCE

Odessa https://www.odessainc.com/   May 2017 – June 2022
BUSINESS ANALYST
• Conducted comprehensive **data analysis**, **optimized** SQL queries, resulting in a **20%** performance improvement in a critical module.
• Engineered a **KPI tracking system** using **Power BI** and **JIRA Dashboards** to provide actionable insights to **C-suite** and Project Managers; catalyzed **15% revenue growth** and key business process initiatives.
• Performed Risk assessment and improved **risk strategies** throughout the **loan** lifecycle, avoiding $10M annually in **fraudulent transactions.**
• Streamlined training processes and tailored **support for business audiences**, driving process optimization and **slashing issue resolution turnaround time** by **50%**.

ASSOCIATE BUSINESS ANALYST
• Planned Roadmaps, Requirements and **User Stories** for **Program Increments** and sprints, mitigating delivery risks and upheld a **25% increase** in team **velocity**. Led Business Requirements **design** for **cross-functional project** teams.
• Facilitated cross-team collaboration, optimizing capacity and sprint velocity, and tracked **burndown metrics**, yielding a **15% boost in process efficiency in end-to-end delivery.**
• Developed **monthly business dashboards,** Ad-hoc reports for **finance data** using Power BI, highlighting KPIs to stakeholders, to monitor **Business performance metrics**.

SENIOR TEST ANALYST
• **Prioritized backlogs** for **$25M** worth of **portfolios**, leveraged data analytics to **drive strategic planning** discussions, and optimizing **resource allocation, capacity planning**.
• Automated a comprehensive **Regression Suite** using XML, Python, resulting in a **40%** boost in team efficiency and saving 15 hours per week on manual testing.
• **Mentored** junior team members through **training**, Knowledge Transfer, constructive **feedback**, fostering a **35%** increase in **productivity** while nurturing professional development.
• Analyzed **datasets in million-row databases** under aggressive time constraints, ensuring timely completion of

E2E product **delivery.**

Fake Job Prediction
Using Python, Data Cleaning, Data Exploration, Data Mining, Feature Engineering, NLP, Text Mining, (Pandas, NumPy Array, Jupyter, Model Building, Data Pipelines, Seaborn, Matplotlib, PySpark, TensorFlow, Scikit-Learn) Fraud Detection. Implemented **9** Machine Learning **Algorithms**, achieving 95% accuracy.

Data Visualization
Created **Dashboards** by employing **ETL Extract Transform Load**, transforming data from Relational Databases, **Power query**, **Data Models**, DAX, identify trends, defining sales metrics (Power BI, Tableau).

Loan Management System (SQL)
 Analyzed modules, data quality, **anomaly detection**, optimized queries, reporting a **30% reduction** in **bugs**. Customer segmentation using clustering (Python), for go to market strategy.

CERTIFICATIONS & ACHIEVEMENTS

- **Microsoft Azure AI** Fundamentals **AI-900**: Certified in AI Fundamentals, enhancing expertise in AI technologies.
- **Earned four promotions** in five years by delivering exceptional results.
- **Ranked in the top 5%** in a Kaggle public Challenge among over 3500 participants.