

Priyadarshini Madhusudanan

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Business Analyst with **5 years of experience** in the Banking Services and Finance (FinTech IT) sector. Leveraging Machine learning Algorithms, Statistical techniques, Big Data Technologies, SQL, Python, Hadoop, R, Power BI, and Tableau for data analytics and customer-centric enhancements.

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**.

PROJECTS | [Github](#)

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.