

Balakrishna Mylapilli Business Data Analyst

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Summary

Experienced Business Data Analyst with 3+ years of strong background in data analysis, process optimization, and automation. Proficient in leveraging tools like UiPath, SQL, Power BI, and Python to enhance operational efficiency and support data-driven decision-making. Skilled in integrating diverse data sources, building intelligent workflows, and collaborating with cross-functional teams to meet business objectives. Adept at using Agile methodologies, data visualization, and quality assurance practices to ensure accurate, compliant, and scalable solutions.

Technical Skills

- BI & Visualization:** Power BI, Excel (PivotTables, Solver, VLOOKUP), Data Storytelling
- Programming & Analysis:** SQL (Joins, Subqueries, Window Functions), Python (Pandas – Learning), REST APIs
- Automation & RPA:** UiPath Studio, UiPath Orchestrator, Document Understanding, Task Capture
- Data Integration & Processing:** OCR, Email Parsing, PDF Extraction, ERP (SAP) Integration
- Process Analysis & Optimization:** Process Mining, Agile Methodology, UAT, Business Rule Mapping
- Tools & Platforms:** UiPath Automation Cloud, JIRA, Confluence, Microsoft Azure (Basic)
- Data Quality & Governance:** Exception Handling, Logging (ELK Stack), Testing & Validation

Work Experience

Business Data Analyst, BankUnited 02/2024 – Present | Florida, USA

- Analyzed end-to-end loan processing workflows and partnered with stakeholders to identify automation opportunities, resulting in a 40% reduction in processing time and 85% decrease in manual tasks, directly contributing to operational efficiency goals.
- Led cross-functional requirements gathering sessions and used UiPath Task Capture to document and redesign key business processes, achieving 300+ man-hours saved monthly across lending operations.
- Built and optimized intelligent document processing pipelines using UiPath Document Understanding to extract, validate, and standardize applicant data from 1,500+ loan applications/month, achieving 98% data accuracy and enhancing compliance readiness.
- Leveraged REST APIs to integrate data from multiple sources (banking platforms, CRMs, credit bureaus), improving real-time data availability and reducing multi-system entry efforts by 70%, thereby enhancing decision-making speed.
- Collaborated with QA and business teams in Agile sprints to define KPIs, validate data-driven automation outcomes during UAT, and ensure solutions met business, compliance, and operational objectives.
- Developed dashboards and analytics using ELK Stack to monitor automation workflows, track performance metrics, and reduce incident resolution time by 60%, increasing visibility and accountability.
- Oversaw secure deployment of bots via UiPath Orchestrator and Automation Cloud, aligning with internal IT governance and ensuring business continuity through centralized control and monitoring.

Business Data Analyst, Miracle Software Systems 01/2021 – 12/2022 | A.P, India

- Collaborated with cross-functional teams including business analysts, finance stakeholders, and IT to gather and document automation and process improvement requirements for invoice processing, ensuring alignment with organizational goals.
- Conducted detailed data analysis and business process mapping to identify inefficiencies and opportunities for automation, resulting in improved operational workflows and reduced processing times.
- Spearheaded the development of a data-driven Robotic Process Automation (RPA) solution using UiPath, automating end-to-end invoice processing—from data extraction and validation to approvals—thereby reducing manual effort and error rates.
- Integrated OCR technologies to extract and validate key invoice data (e.g., invoice number, vendor name, date, and amount) from unstructured formats such as PDFs and scanned documents, enhancing data quality and automation accuracy.
- Collaborated with IT infrastructure teams to integrate RPA workflows with SAP ERP, enabling real-time validation of invoice data against purchase orders and vendor master records for improved financial control and compliance.
- Designed and implemented scalable, modular workflows in UiPath Studio, and leveraged UiPath Orchestrator for bot deployment, scheduling, and performance monitoring, improving system efficiency and maintainability.
- Partnered with QA teams to develop and execute test plans for all automated processes met business, functional, and compliance requirements. Provided ongoing support and optimization post-deployment based on data analysis and stakeholder feedback.

Education

Florida Atlantic University Master of Science in Computer Science	Boca Raton, Florida, USA 01/2023 – 12/2024
Avanthi Institute of Engineering & Technology Bachelor of Technology in Computer Science & Engineering	Vizianagaram, Andhra Pradesh 07/2017 – 08/2021