Chaitanya Shrikrishna Joshi

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SQL • Python • Power Platform • RPA • GenAI • Agile Delivery • ERP Analytics

PROFILE

Results-driven Data & Automation Analyst with over 3 years of experience in leading cross-functional teams to deliver scalable automation solutions in Fortune 500 environments. Expertise in SQL and Python for data integration and process optimization. Proven track record in enhancing operational efficiency by over 30% through intelligent automation and data-driven decision-making. Demonstrated leadership in aligning technological initiatives with business objectives, ensuring compliance, and fostering continuous improvement.

SKILLS

- **Programming & Tools:** SQL, Python (NumPy, Pandas, Seaborn), SAS, Power BI, PowerApps, Power Automate, Dataverse, Excel, VBA, M Query, DAX, Microsoft Azure, SharePoint, Dynamics 365
- **Core Competencies:** Data Strategy, Data Governance, Workflow Automation, Data Modeling & Cleansing, Cross-functional Leadership, AI/ML Enablement, ETL Pipelines, Executive Dashboards, Agile Collaboration, Cost-Benefit Analysis

CERTIFICATIONS

- UiPath Certified Professional Automation Developer Associate
- Complete Python Developer in Zero to Mastery – Udemy
- Agentic AI & LLMs – GPT, RAG, Prompt Engineering, OpenAI Integration

WORK EXPERIENCE

Intelligent Automation & Digital Workplace Developer | Emerson Electric Co.   Jan 2022–Jun 2024

Led cross-functional transformation and automation initiatives across global finance and service operations to reduce inefficiencies, increase transparency, and modernize reporting.

- Led the development of a scalable automation framework utilizing SQL and Python to reconcile journal entry data across multiple systems, reducing manual workload by 400+ hours monthly and achieving annual savings of $80K+.
- Modernized legacy data infrastructure by migrating to Microsoft Dataverse, enhancing real-time financial analytics and improving data accessibility by 40%.
- Designed and implemented an invoice tracking system using PowerApps and Power BI for North American operations, increasing billing accuracy and reducing processing cycles by 25%.
- Served as Technical Lead for over 15 automation projects across multiple regions, coordinating with finance, compliance, and IT stakeholders to ensure cross-functional impact and alignment with business goals.
- Integrated APIs with Oracle and Microsoft systems, enhancing data synchronization and reducing reporting latency by 25%.
- Developed executive dashboards and impact reports, providing strategic insights that improved adoption rates of automation tools by 45%.
- Established data governance protocols by documenting workflows and audit trails, improving compliance and onboarding processes for finance and HR teams.

Business/Data Analyst Intern | University at Buffalo   Sep 2024–Present

- Developed a centralized platform using PowerApps and SharePoint to unify fragmented data across departments, improving access to learning insights for over 500 users.
- Automated engagement tracking and reporting workflows with Power Automate and Power BI, reducing manual processing time by 35% and enhancing the accuracy of outcome metrics.
- Created executive dashboards and engagement reports that informed leadership decisions on student outreach and program development.
- Authored user guides and technical documentation, facilitating cross-departmental adoption and reducing transition time by 60%.

Product Development Lead | Machinery Monitoring Systems LLC   Jan 2025-Present

Leading development of AI-powered predictive maintenance and real-time telemetry solutions for energy sector clients.

- Led the development of a predictive maintenance platform for oil & gas clients, integrating real-time telemetry data and Power BI dashboards, resulting in a 30% reduction in unplanned equipment downtime.
- Designed and deployed AI-powered diagnostics using Python and AWS Lambda, enhancing pipeline scalability and reducing anomaly response time.
- Engineered a centralized data warehouse using Amazon S3, streamlining operational data ingestion and providing stakeholders with real-time equipment performance insights.
- Collaborated with product and compliance teams to ensure data accuracy, governance protocols, and SLA adherence across client environments.

PROJECT EXPERIENCE

- **PolicyGuard AI – Regulatory Compliance Agent**: Developed a document AI assistant powered by Retrieval-Augmented Generation (RAG) to summarize legal and compliance documents (e.g., GDPR, CCPA), reducing policy review time by 60%.
- **Global Finance Insights Dashboard – Emerson**: Consolidated international financial data into an interactive Power BI dashboard, decreasing month-end reporting cycles by 30% and enhancing decision-making accuracy.
- **Invoice Automation Initiative – Emerson**: Implemented a Power Platform solution to automate invoice validation and reporting, reducing billing discrepancies by 25% and increasing stakeholder trust.
- **Experiential Learning System – University at Buffalo**: Centralized multi-format learning data into a unified interface, increasing student engagement rates by 20% over one semester.
- **AI-Driven Sentiment Model**: Utilized Natural Language Processing (NLP) to detect distress signals in social media posts for early suicide prediction, contributing to research in behavioral AI.

EDUCATION

Master of Science Management Information Systems (STEM) | University at Buffalo, State University of New York

Relevant Courses: DBMS, Predictive Analytics, Cloud Data Warehousing, System Analysis & Design, Data Visualization, Applied AI for Managers, Management of IT Projects, Experiential IT Projects, Gen AI Consulting.

Master of Computer Applications (MCA) | Vishwakarma Institute of Technology, University of Pune

Bachelor of Computer Science (B.Sc.) | University of Pune