

Chaitanya Shrikrishna Joshi

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PROFILE

Software engineer with 3+ years of experience in business process automation & RPA, Gen AI and data-driven app development to improve business choices and simplify operations. Skilled in strategic automation, data transformation and data visualization resulting in increased team performance and profitability on a worldwide scale.

WORK EXPERIENCE

Business/Data Analyst Intern | University at Buffalo

Sep. 2024–Present

- Spearheaded data collection, overall data management and visualization using Power BI, created centralized library system for UB School of Management's Experiential Learning Library. Developed one-stop web-based solution, integrating web design and data analytics for streamlined access to experiential learning resources.
- Managed and optimized SharePoint database & Website for UB SOM, enhancing data organization for advanced analytics and reporting. Developing efficient workflows to support data-driven decision-making processes.

Intelligent Automation Developer | Emerson Electric Co.

Jan. 2022–Jul. 2024

- Faced inefficiencies in global automation processes. Analyzed and optimized workflows using Python, increasing efficiency by 40% and ensuring reusable, standardized journal entry automation across regions. Integrated RPA bots with Oracle ERP.
- Manual journal entry processing in Oracle ERP led to high labor costs. Designed, developed, and deployed Python and UiPath unattended bots for Emerson's Global Financial Services, reducing manual effort by 400+ hrs/month and cutting costs by ~\$80K/year.
- Scaling automation was challenging across geographies. Led cross-regional initiatives, replacing 4 FTEs with 1 bot and implementing multi-bot solutions for finance operations (Journal Entries & Reconciliation) worldwide.
- Legacy invoice tracking in North America was outdated. Built multi-bot solutions for financial operations (journal entries & reconciliation), replacing 4 FTEs, ensuring scalable, efficient solutions with UiPath Orchestrator.
- Business requirements lacked clear technical direction. Collaborated with stakeholders to gather business requirements, translating them into effective, scalable automation solutions. Developed technical documentation for all RPA workflows, bots, and automations
- Process automation initiatives faced delays. Assisted clients and leadership in developing effective implementation strategies, ensuring timely deployment and maximum impact. Provided post-deployment support by monitoring bot performance, troubleshooting, and conducting root cause analysis
- Businesses lacked integrated solutions for data visualization, engineering, and automation. Built solutions using Microsoft Power Platform and Azure Cloud, developing Power BI dashboards with KPIs for business profitability.
- Manual data extraction from Excel and PDFs was time-consuming. Developed unattended bots using Python, Selenium, PyPDF2, BeautifulSoup, OpenPyXL, and Robocorp, automating data scraping and OCR with Tesseract for efficiency.

SKILLS

Robotic Process Automation (RPA) Tools & Frameworks: UiPath (Studio, Orchestrator, ReFramework, Dispatcher & Performer), Robocorp, Power Automate, BluePrism, Selenium, OCR, Process Mining, Web Scraping, API Integration, Robot Framework.

Low – code Application Development: Power Apps, Power Virtual Agents, SharePoint, Microsoft Dataverse.

Cloud Analytical Tools: Power BI, Tableau, Azure Data Factory, Azure Data Engineering, Databricks, ADLS, Snowflake, ETL

Languages & Databases: Python (NumPy, Pandas, Scikit-Learn), C#, VB.NET, Java, Oracle, SQL, PL/SQL, JSON

Generative AI: Natural Language Processing (NLP), Retrieval Augmented Generation (RAG), Prompt Engineering, MS Copilot

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's in Computer Applications (MCA) | Vishwakarma Institute of Technology, University of Pune

Relevant Courses: Network & Information Security, Software Project Management, Design & Analysis of algorithms, Data Science.

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

Relevant Courses: Programming in C & C++, Computer Networks, Web Technologies, Advanced Java Programming.

CERTIFICATIONS

UiPath Certified Professional Automation Developer Associate Certification

Dec 2024

Python Complete Python Developer in 2020: Zero to Mastery. – Udemy.

May 2020

PROJECT EXPERIENCE

Developed a suicide prediction system using sentiment analysis, machine learning, and NLP to analyze Twitter tweets for early risk detection. Published findings in a Springer journal.