

Niharika Byrapaneni

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PROFESSIONAL SUMMARY

Experienced RPA Developer with a Computer Science Master's degree and over 3+ years of hands on experience. Proficient in creating automation solutions using UiPath, specialized in analyzing complex processes, identifying automation opportunities, and implementing effective robotic solutions. As a collaborative team player, I prioritize improving efficiency and driving digital transformation initiatives. My passion lies in leveraging advanced programming skills to optimize business processes, contributing to the seamless integration of technology in achieving organizational goals.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, C++
- **RPA Tools:** UiPath
- **Scripting Languages:** JavaScript, PHP, PowerShell
- **Web Technologies:** HTML, CSS
- **Database Technology:** MySQL, Microsoft SQL Server
- **Version Control Tool:** GIT

EMPLOYMENT

University of Arkansas at Little Rock, Little Rock, Arkansas

February 2022 - December 2023

Role: RPA Developer

Project: Student Application System

Responsibilities

- Conducted a comprehensive analysis of the student application process to design an end to end UiPath automation solution.
- Implemented email integration using UiPath activities to automatically receive and process student applications sent to the university email.
- Implemented logic to validate student applications against university requirements, ensuring completeness and accuracy.
- Designed and implemented automation scripts to generate reports on student admissions.
- Configured UiPath to automate email communication, sending admission decisions and relevant information to students in a timely manner.
- Implemented security measures to protect sensitive student data during the automation process, ensuring compliance with data privacy standards.
- Developed robust exception handling mechanisms to manage errors during the application validation process, maintaining the reliability of the bot.
- Configured integration with university systems to fetch and update relevant information, ensuring accurate and up to date processing.
- Created detailed documentation outlining the UiPath automation solution, including process flows, configurations, and testing procedures.
- Proficient in UiPath and automation of end to end processes.
- Strong expertise in email integration, decision automation, and report generation.
- Exceptional problem solving and analytical skills.

Role: RPA Developer

Project: Inventory Replenishment System

Responsibilities

- Led the design and development of an end to end RPA solution for automating the inventory replenishment process.

- Implemented RPA scripts to regularly analyze current inventory levels, categorizing items based on stock levels and defining reorder points.
- Developed automation scripts to generate accurate purchase orders for low stock items, extracting details such as item information, quantities, and supplier details.
- Configured the RPA solution to automate communication with suppliers, sending purchase orders via email and integrated channels.
- Integrated the RPA system with supplier responses, capturing order confirmations, delivery dates, and updating inventory records accordingly.
- Implemented monitoring mechanisms to track the status of purchase orders, expected delivery dates, and configured alerts for inventory managers.
- Ensured seamless integration with the existing inventory management system, updating stock levels, and maintaining accurate records.
- Developed robust exception handling mechanisms to manage errors, ensuring smooth execution and providing detailed error logs for resolution.
- Implemented enhancements based on feedback, performance metrics, and evolving business requirements.
- Created comprehensive documentation outlining the RPA solution, including process flows, configurations, and testing procedures.

EPAM Tech Systems, Hyderabad, Telangana, India

July 2021 – December 2021

Role: RPA Developer

Responsibilities

- Conducted a thorough analysis of the application workflow and client requirements to design an efficient RPA solution.
- Developed automation scripts using UiPath to automate the end to end process, including email processing, Excel validation, and interaction with the application.
- Configured the RPA bot to seamlessly integrate with email services for retrieving and processing emails, extracting sender details, subject lines, and attachments.
- Implemented logic to open and process Excel sheets, ensuring the presence of required columns and handling exceptions appropriately.
- Automated login and navigation within the application using provided credentials.
- Developed scripts for data entry and retrieval, obtaining real time status updates for processed items.
- Implemented robust error handling mechanisms, including the generation of exception emails in case of missing columns or other errors.
- Conducted comprehensive testing to validate the functionality, reliability, and performance of the RPA solution.
- Ensured that the automation meets quality standards and client expectations.
- Created detailed documentation outlining the RPA solution, including process flows, configurations, and troubleshooting steps for future reference.
- Collaborated closely with clients and stakeholders to gather feedback and refine the RPA solution based on evolving requirements.
- Ensured the RPA solution adheres to security protocols and compliance standards, implementing measures to protect sensitive data.
- Established monitoring mechanisms to track the performance of the RPA solution and provided ongoing maintenance and support.
- Conducted training sessions for end users and team members, facilitating a smooth transition to the automated process.
- Developed different types of bots, including attended and unattended, to meet business requirements.
- Scheduled and managed the execution of bots to optimize workflow efficiency.
- Identified and implemented opportunities for process improvement, contributing to increased efficiency and effectiveness.
- Successfully automated 90% of the application workflow, resulting in an 80% reduction in processing time and improved accuracy.

EPAM Tech Systems, Hyderabad, Telangana, India

January 2021 – June 2021

Role: RPA Developer

Responsibilities

- Conducted a detailed analysis of the invoicing process to design an effective RPA solution.

- Developed automation scripts to seamlessly interact with Microsoft databases, extracting relevant data for invoice processing.
- Implemented data manipulation and transformation logic to meet specific requirements, ensuring accuracy and completeness of processed data.
- Designed and executed automation workflows for accurate extraction of information from invoices.
- Developed automated scripts to generate reports based on manipulated data, improving efficiency in reporting processes.
- Conducted rigorous quality assurance testing to meticulously validate the accuracy and reliability of the RPA solution in processing invoices.
- Ensured adherence to stringent testing procedures, resulting in a high quality and error free automation implementation.
- Configured seamless integration with Microsoft databases and other external systems, optimizing the end to end automation process.

EPAM Tech Systems, Hyderabad, Telangana, India

July 2020 – December 2020

Role: RPA Developer

Responsibilities

- Extracted employee data from Excel files and conducted thorough analysis to identify key information required for ID generation.
- Developed and implemented logical algorithms for generating unique and standardized employee IDs based on extracted data.
- Implemented data validation processes to ensure accuracy and consistency in employee information before ID generation.
- Utilized RPA tools to manipulate Excel data efficiently, ensuring the proper organization and formatting required for ID generation.
- Created comprehensive documentation outlining the entire process, including ID generation logic, automation workflows, and data validation procedures.

ACADEMIC PROJECTS

Age Detection using Artificial Intelligence

University of Arkansas at Little Rock

Description: Developed an Age Detection System using AI, employing advanced computer vision techniques to accurately estimate individuals' ages from images or video frames. Curated a diverse dataset, trained the model with machine learning algorithms, and refined it iteratively for precise predictions. The system analyzed facial features and was integrated into a user friendly interface, demonstrating applications in security, retail analytics, and human computer interaction. Extensive testing validated its accuracy across scenarios, contributing to computer vision and machine learning fields. This project enhanced skills in data preprocessing, model development, and practical deployment of AI solutions.

Gesture Volume Control

University of Arkansas at Little Rock

Description: Designed and implemented a Gesture Volume Control System that leverages AI and computer vision technologies. The system allows users to intuitively control the audio volume of a device by capturing hand gestures through a camera. The development involved creating a user friendly interface for a seamless and engaging interaction experience. The innovative solution enhances accessibility and convenience, providing an alternative and intuitive method for users to manage audio settings through simple hand movements.

EDUCATION

Master of Science in Computer Science | University of Arkansas at Little Rock | Dec 2023

GPA: 3.30/4.0

Bachelor's in computer science | Vasireddy Venkatadri Institute of Technology | June 2021

GPA: 3.13/4.0