Asheef Akram

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SUMMARY

Dynamic RPA Developer with 5 years of experience in automating web, Windows, and Citrix processes using Python and Power Automate Desktop. Proficient in web scraping, machine learning, text recognition, and SQL Server, with a strong ability to develop and optimize applications. Adept at solving day-to-day automation challenges and implementing new requirements within tight deadlines.

SKILLS

- **Programming Languages**: Python
- **Automation Tools**: Power Automate Desktop
- **Web Technologies**: HTML, CSS, JavaScript, Django, Flask
- **Libraries/Frameworks**: BeautifulSoup (bs4), Tesseract, OpenCV, Paddle, Flask, Django, Tkinter, Selenium
- **AI/ML**: Integration of AI/ML models
- **Database Management**: SQL Server,MySQL
- **Other Tools**: Citrix, OCR, PowerPoint, API Development

EXPERIENCE

Software Engineer

- **Vee Technologies December 2019 – Present Salem, Tamil Nadu, India**
- **Automation Expertise**: **Utilized** Python and Power Automate Desktop to automate web, Windows, and Citrix processes.
- **Web Scraping and Conversion**: Developed web scraping and conversion procedures using Python and RPA tools like Power Automate.
- **Machine Learning Integration**: Utilized libraries such as OpenCV, Paddle, and Tesseract to develop text recognition processes for invoices.
- **Application Development**: Involved in the development of web applications, APIs, and Windows applications using Django, Flask, and Tkinter.
- **SQL Server Knowledge**: Experienced in using SQL Server for database management, query optimization, and data analysis.
- **Problem Solving and Optimization**: Responsible for creating testable modules, resolving issues, and optimizing existing applications.
- **Project Management**: Involved in project interactions and status reports, ensuring timely delivery and implementation of new requirements.

PROJECT

Article Extraction

- Automated the process of extracting content from articles. This involved utilizing advanced natural language processing (NLP) technologies to identify and extract relevant information from various articles. The extracted data then processed to ensure accuracy and completeness. This automation significantly reduced manual work by 90% and improved the accuracy in the extraction and processing of article content.
- Manual Work Reduction: 90% Accuracy Improvement: Enhanced accuracy of data extraction and processing by 95% Processing Speed: Increased processing speed by 90%
- Tools and Technologies: Language: Python NLP Technologies: SpaCy, NLTK, Beautifulsoup (Bs4)

Medicare Eligibility Verification

- Developed a bot to log into the Medicare portal using provided credentials and retrieve patient details from the Availity API to verify eligibility. Once verified, the bot populated the patient details in the Medicare portal, extracted benefits information, and updated this information in the prompt system. This automation significantly reduced manual work and human errors, improving efficiency and accuracy in patient eligibility verification and benefits processing. The manual workload decreased by 80%, and the accuracy of patient information updates in the prompt system was improved.
- Tools and Technologies: Utilized Power Automate as the Tool to implement the automation process, ensuring seamless integration and reliable performance. The Availity API was used to retrieve patient details and verify eligibility.
- Manual Work Reduction: 80% Accuracy Improvement: Enhanced accuracy of patient information updates by 90% Processing Speed: Increased processing speed by 70%

HCPNV Eligibility Verification

- Developed an automated bot for patient eligibility verification and benefits processing. The bot logs into the Intermountain web portal using provided credentials and redirects to the Citrix portal. It then logs into the Citrix application, scrapes patient details from the Citrix IDX portal, and posts these details to the Availity API to verify eligibility and benefit information. Once verified, the bot populates the patient details in the Citrix as notes.
- Manual Workload Reduction: 80% Accuracy Improvement: Increased accuracy of patient information updates by 95% Processing Time Reduction: Reduced average processing time from 30 minutes to 5 minutes per patient Error Rate Reduction: Decreased error rate from 10% to less than 1%
- Tools and Technologies: Utilized Power Automate as the programming language to implement the automation process, ensuring seamless integration and reliable performance. The Availity API was used to retrieve patient details and verify eligibility.

Pre-Authorization Automation

- Automated the pre-authorization process for both Carelon and Optum portals, significantly enhancing efficiency and accuracy. The bot logs into the Carelon and Optum portals using provided credentials, extracts necessary patient and treatment information from internal systems, and inputs this data into the respective portals. Advanced algorithms ensure the correct data is entered, reducing the likelihood of errors during the pre-authorization request submission. AI-driven technology analyzes and predicts the required information for pre- authorization, ensuring that all necessary details are included in the submission.
- Approval Time Reduction: 60% Error Rate Reduction: Decreased manual errors by 70% Efficiency Improvement: Increased processing speed by 50% Accuracy Improvement: Enhanced accuracy of pre-authorization requests by 90%
- Tools and Technologies: Utilized Power Automate as the tools to implement the automation process, ensuring seamless integration and reliable performance. Python was used to improve accuracy

OCR Processing for Insurance Claims

- Automated the process of extracting claims details and patient information from insurance claim forms. This involved utilizing OCR technologies such as Paddle OCR and Tesseract for data extraction. The extracted data was then processed to ensure accuracy and completeness. This automation significantly reduced manual work by 90% and improved the accuracy in the extraction and processing of claims details and patient information.
- Manual Work Reduction: 90% Accuracy Improvement: Enhanced accuracy of data extraction and processing by 85% Processing Speed: Increased processing speed by 70%
- Tools and Technologies: Language: Python OpenCV OCR Technologies: Paddle OCR, Tesseract

EPF Automation

- Automated the EPF exit process and PF number creation, streamlining the workflow and ensuring accuracy. The automation marks the exit of employees on the EPFO portal, ensuring that the exit process is handled efficiently and accurately, reducing the time and effort required for manual processing. For PF number creation, the automation generates a Universal Account Number (UAN) for new employees, links the PF account with the UAN, and ensures approval and activation. This process ensures that new employees have their PF numbers created quickly and accurately, reducing the likelihood of errors and delays.
- Utilized Power Automate to implement the automation process, ensuring seamless integration and reliable performance.
- Manual work was reduced by 85%, accuracy of data processing was enhanced by 90%, and processing speed increased by 75%.

Letter and PPT Creation

- Automated the process of creating HR letters, managing rewards and recognition (R&R) programs, and generating PowerPoint presentations and certificates. This significantly enhanced efficiency and accuracy in HR operations. The automation involves generating various HR letters such as abscond letters, and relieving letters, ensuring they are created accurately and promptly. Additionally, automation manages R&R programs, ensuring employees are recognized and rewarded for their performance in a timely and fair manner. It also includes creating PowerPoint presentations and certificates for R&R events.
- This automation significantly reduced manual work and errors, improving efficiency and accuracy in HR letter creation, R&R management,
  and the generation of presentations and certificates. The process now ensures that HR letters are generated quickly and accurately, employees recognized and rewarded appropriately, and presentations and certificates created efficiently.
- Manual Work Reduction: 85% Accuracy Improvement: Enhanced accuracy of HR letter creation, R&R management, and presentation and certificate generation by 90% Processing Speed: Increased processing speed by 75%
- Tools and Technologies: Utilized Python to implement the automation process, ensuring seamless integration and reliable performance.

EDUCATION

Bachelor of Engineering

Computer Science • Mahendra engineering college (Autonomous) • Namakkal, Tamil Nadu , India • 2019

INVOLVEMENT

Compliance SPOC

- Conducted comprehensive compliance training sessions for team members by utilizing relevant industry benchmarks.

ACHIEVEMENTS

- **Got Arjuna Award in the Year of 2021 at Vee Technologies, Salem.**
- **Got Best performer Award in the Year of 2023 at Vee Technologies, Salem.**