

RANJIT KUMAR NAYAK

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SUMMARY

13+ years of IT experience with 7+ years in Intelligent Automation, specializing in UiPath, Automation Anywhere, ABBYY, and AI-powered enterprise automation solutions. Experienced in Solution Architecture, Intelligent Document Processing (IDP), Agentic AI workflows, API integrations, and scalable automation frameworks across Healthcare, Procurement, and Manufacturing domains. Skilled in integrating Generative AI, FastAPI-based automation solutions, Docker, MySQL, IQ Bot (A360), cloud platforms, and modern DevOps practices to deliver enterprise-scale hyperautomation programs.

CORE SKILLS

- RPA & Hyperautomation: UiPath (Studio, Orchestrator, Integrations, AI Center, DU, REFramework), Automation Anywhere (A360, v11, IQ Bot), Power Automate
- IDP & OCR: ABBYY FlexiCapture, ABBYY Vantage, UiPath Document Understanding
- AI & GenAI: LangChain, LangGraph, OpenAI APIs, Prompt Engineering, Agentic AI, AI-assisted Automation, FastAPI
- Programming & Integration: Python, C#.NET, Vb.NET, SQL, REST APIs, Postman, MySQL
- Cloud & DevOps: AWS, Azure, Docker, Bitbucket, Jira, Azure DevOps, CI/CD
- Testing & QA: Selenium, Cucumber, JMeter, BlazeMeter, API Testing
- Enterprise Platforms: Oracle Fusion ERP, EMR/EHR Systems, Power Platform

PROFESSIONAL EXPERIENCE:

Lead RPA Developer

AlgoWorks Technologies | Sep 2025 – Present

- RPA Program Leadership: Leading a large-scale, enterprise-grade web data extraction initiative using UiPath, automating data scraping and processing across 200+ manufacturer domains, ensuring reliability, scalability, and high data accuracy.
- AI-Driven Architecture & Framework Design: Architected a scalable, reusable automation solution using REFramework, incorporating AI-based domain classification and intelligent switch-case routing logic to dynamically handle diverse website structures and adaptive web layouts.
- Intelligent Domain Handling: Implemented rule-based and AI-assisted domain identification mechanisms within UiPath workflows to enable smart execution paths, resilient retry strategies, and optimized selector handling for heterogeneous web platforms.
- End-to-End SDLC Ownership: Managing complete automation lifecycle — feasibility assessment, effort estimation, solution architecture, stakeholder alignment, development governance, QA validation, and production deployment — ensuring enterprise-grade delivery standards.
- Team Leadership & Best Practices: Mentoring and guiding developers on scalable workflow design, exception handling strategies, logging frameworks, performance optimization, and modular bot architecture.
- DevOps & Agile Tooling: Leveraging tools such as Jira, Tempo, Bitbucket, effort tracking, and collaborative development in Agile delivery environments.

- **AI & Automation Optimization:** Utilizing GenAI-assisted development, intelligent error handling strategies, and automation accelerators to improve bot efficiency, reduce maintenance overhead, and enhance system resilience.

Lead Consultant – RPA

TransformEdge Enterprise Services Pvt Ltd | Dec 2022 – Sep 2025

- **Intelligent AP Automation Leadership:** Spearheaded an end-to-end Invoice Automation program using **ABBYY FlexiCapture** and **UiPath**, integrating with **Oracle Fusion** and **AWS Cloud** via API-driven payloads.
- **AI-Driven Extraction:** Designed NLP and ML models for intelligent invoice classification and vendor-specific extraction, resulting in a **significant reduction in manual effort** and higher Straight-Through Processing (STP).
- **Architecture & Cloud Integration:** Architected secure data validation bridges between UiPath and AWS, enabling real-time vendor master checks and automated ERP posting.
- **Advanced ABBYY Development:** Leveraged **FlexiLayout Studio** and **C# scripting** to build complex validation rules, reducing extraction defects and enhancing data accuracy for the Procurement team.
- **Operational Excellence:** Implemented a specialised **SLA Follow-up Bot** to automate vendor communications and deadline tracking, ensuring strict adherence to processing timelines.
- **Project Governance:** Managed the full delivery lifecycle, including Solution Design Documents (SDD), Effort Estimation, and CAB approvals within an Agile framework.

Senior Engineer (RPA and QA)

ATTRA Infotech (A Synchro Company) | June 2021 – May 2022

- Test Lead for RPA and QA.
- Test RPA workflow output and submit to respective team.
- Test Selenium Automation output to QA team.
- WebScraping and API automation and integration testing for RPA-Banking project.
- Managed defects RPA workflow output and submitted to Project lead.

Team Lead – RPA and QA

Mitrastech India | 2017 – Feb 2021

- **End-to-End RPA Delivery:** Developed and deployed enterprise-grade A360/v11 solutions across Finance and Operations, managing the full SDLC from design to hyper-care and SLA monitoring.
- **Intelligent Document Processing:** Spearheaded **IQ Bot** and **ABBYY FlexiCapture** implementations to automate semi-structured data extraction, utilising model training and verification workflows to enhance accuracy.
- **Advanced Automation & Migration:** Delivered complex use cases involving Cloud FTP, web/legacy applications, and large-scale bot migrations to upgraded environments.
- **QA & Performance Analytics:** Executed regression testing and QA governance via Jira/ALM, while leveraging **Bot Insight** dashboards to track KPIs, ROI, and exception trends.
- **Tech Stack:** Automation Anywhere (v11/A360), IQ Bot, ABBYY, TFS, Jira, Agile/Sprint methodologies

QA Activities: 2014 – 2017

- Manual testing, Automation Testing (Selenium with Java), Test Plan creation, Agile methodology, API and performance testing (JMeter, BlazeMeter etc).
- Functional testing, Test Case design and review, Defect management and Team Leadership.
- ISO Coordinator.

EDUCATION

- Dr. C V Raman University, Bachelor of Computer Application (2009 - 2012)
- (MSC IT Ongoing)
- Diploma- Electronics and Telecom Engineering- IETE
- Godavarish Mahavidyalaya, Odisha — 10+2 Science (PCMB)

CERTIFICATIONS

- Project Management Foundation- Google.
- Agentic Automation Developer- Automation Anywhere
- Certified Automation Copilot Developer - Automation Anywhere University
- Certified Advanced RPA Professional (A360) – Automation Anywhere University
- Certified Bot Developer (V11, A2019 and IQBot) – Automation Anywhere University
- Diploma in RPA Developer and Implementation Manager – UiPath Academy
- Certification in ABBYY Vantage – ABBYY University
- Certification in AI/ML Data Science – Vepsun Technologies (2021), Bangalore

PROJECTS

- 200+ Manufacturers url Web scraping and Agentic AI python scraping project.
- AP Invoice Process automation — Download PDF invoices from email, process using ABBYY, UiPath and Oracle Fusion and Custom Validations.
- Data import — Extract patient demographic data from EMR/EHR systems to Excel.
- Data export — Update medical coding ML model output into respective EMR applications.
- Immigration application pre-registration automation for H1B portal updates.
- Bot migration from Automation Anywhere V11 to A360 cloud platform.
- Immigration receipt notice and case update automation from CSV/Excel to web portals.

Skills Gained & Utilized

- RPA & IDP Excellence: UiPath (REFramework, DU), Automation Anywhere (v11, A360, IQ Bot), ABBYY (FlexiCapture, Vantage), and Power Automate.
- Generative AI & Hyper-automation: Expert in Prompt Engineering, integrating OpenAI and Local LLMs into automation workflows, and building Agentic AI solutions using FastAPI.
- Full-Stack & Data: React (Frontend), Python, C#.NET, MySQL, Oracle Fusion ERP, and AWS Cloud Databases.
- DevOps & Infrastructure: Docker containerization, CI/CD Pipelines, high-scale Web Scraping (JS injection), and SQL.
- Testing & Tools: Selenium (Java), Cucumber, Postman, Jira, TFS/Azure DevOps, and ALM.
- Leadership & Strategy: Team Management (Agile/Sprints), Solution Design (SDD/PDD), and Effort Estimation for enterprise-grade deployments.

LANGUAGES

English, Hindi, Odia