



# Hitesh M. Jeswani

Senior AI Engineer

## PROFILE

AI and Automation Engineer | Expert in Deploying and Optimizing Generative AI, LLMs, and Intelligent Robotic Systems for Industry-Specific Applications.

Specializing in building and deploying advanced Agentic AI robots, designing custom LLM solutions, and streamlining workflows with automation. Proven expertise in developing intelligent systems across diverse sectors including Banking, Insurance, Healthcare, and Finance.

## EXPERIENCE

June 2024 - Present

Ampcus | Mumbai, India

### Senior AI Engineer

I have worked on below projects in Ampcus:

- AI Studio:** Spearheaded the development and deployment of 10+ Agentic AI robots, combining automation with Generative AI to create intelligent systems across multiple industries. Key use cases included:
  - RAG-based Chatbots:** Developed retrieval-augmented generation (RAG) chatbots for dynamic, context-aware conversations by integrating vector stores and similarity search mechanisms. Enabled precise information retrieval from custom knowledge bases to enhance response relevance and user experience.
  - Excel-to-SQL Agent:** Automated the conversion of Excel data into structured SQL queries, enabling seamless data interaction and allowing users to view the data through an interactive dashboard.
  - RFP Analysis & Proposal Generation:** Built AI system capable of reading Request for Proposals (RFPs) and generating draft proposals, streamlining document-driven workflows.
  - Website Scanning & Conversational AI:** Created intelligent bot capable of scanning websites for key information and providing interactive user engagement.
  - Delivered solutions across **Banking & Finance, Insurance Management, and Healthcare & Life Sciences**, driving automation, efficiency, and enhanced decision-making.
- LLM Deployment:** Deployed a custom Large Language Model (LLM) using Mistral as the base, optimized and quantized the model to run efficiently on in-house GPU infrastructure. Enabled scalable, low-latency inference tailored to enterprise workloads.
- CI/CD Pipeline setup:** Designed and implemented a robust CI/CD pipeline for Python applications using GitHub Actions, enabling automated testing, linting, and deployment. Streamlined the development workflow to ensure faster release cycles, improved code quality, and consistent production deployments.
- MCP Deployment:** Developed and deployed a Model Context Protocol (MCP) server and MCP clients to enhance the intelligence of Large Language Models (LLMs). Enabled improved contextual understanding and response generation, optimizing LLM performance in real-world applications.
- Fine-tuning:** Fine-tuned a Large Language Model (LLM) to generate JSON-only responses by training it on a dataset of 5,000 samples. Enhanced model output precision and consistency, aligning with structured data requirements for seamless integration.

December 2023 - June 2024

Marlabs | Pune, India

### Senior RPA Developer

I have worked on below projects in Marlabs:

- CoA CoC Upload Process Automation:** Created a system to automatically handle compliance certificates from different managers. Used AI Center to build a model that identifies certificate formats and extracts relevant information. Achieved high accuracy, over 98%, ensuring smooth file management and uploading to SharePoint.
- HC Supplier Change Notification:** Developed an automation solution to manage product ID changes from suppliers. Utilized AI technologies to identify and extract data from emails and PDFs, achieving over 93% accuracy. Implemented deployment using ML Skill for integration with UiPath Studio.

## CONTACT



### Address

Mumbai, India



### Phone

9975809937



### Email

hiteshjswani112@gmail.com

## SKILLS

Generative AI  
UiPath  
Agentic AI  
Fine tuning  
LLM Deployment  
Orchestrator  
AI Center  
RE-Framework  
Intelligent Automation  
GitHub  
Python  
Requirements Gathering  
Agile Development  
Artificial Intelligence

## Education

2024  
MBA, 3.3/4 CGPA  
NMIMS

2020  
B.Tech (Integrated) 3.4/4 CGPA  
MPSTME, NMIMS

2014  
SSC Board - 93.6%  
NCT Convent High school

# CERTIFICATIONS

RPA Developer Advanced certification

Azure Data Fundamentals (AZ-900)

Certified Agile Practitioner

SIX SIGMA White Belt certified

June 2021 - November 2023

Global Pricing Innovations | Mumbai, India

## RPA Developer

I have worked on below projects in Global Pricing Innovations:

1. **Australia Data Extraction:** Implemented RPA for weekly data processing. Automated monitoring of Tuesday 10 am email, downloading Excel attachment. Engineered processes for data entry into a portal and automated sign-off. Shared key statistics, including bot run time and records processed, with clients and developers. Streamlined operations, reducing manual effort and enhancing reporting efficiency.
2. **RI Information PDF automation project:** our task involved gathering PDFs with diverse formats, ranging from tabular structures to completely unstructured content. Our objective was to extract specific information from this varied set of PDFs. Leveraging Document Understanding and Machine Learning within UiPath, we successfully achieved this intricate extraction process.
3. **Mims Multi-Bot project:** I executed data extraction from a website using the Data Scraping Wizard. To enhance efficiency, I employed the Orchestrator to concurrently run multiple instances of the same bot, tasked with collecting data from different global regions. Implementing a scheduling strategy in the UiPath Orchestrator, I coordinated the bot to operate at distinct times aligned with data availability in various regions, optimizing the overall data collection process.

July 2020 - June 2021

Worley | Mumbai, India

## RPA Developer

Some of my projects at Worley:

1. **Oracle Aconex Automation:** This automation initiative streamlines the manual consolidation of document history data from numerous reports, ensuring the generation of output with minimal effort and errors. The anticipated outcome is a time-saving of one hour per project, with approximately 250 projects impacted daily.
2. **MTO Bulk Handling:** This project exemplifies Intelligent Process Automation (IPA), where the synergies of Machine Learning (ML) and Robotic Process Automation (RPA) are harnessed to achieve desired outcomes. The PDF files, presented as scanned images, contain tabular data that requires extraction into an SQL Server. ML-based Optical Character Recognition (OCR) is employed for extracting data from these PDFs, while UiPath is utilized to extract data from Excel and integrate it seamlessly into the SQL Server.

June 2019 - July 2020

Worley | Mumbai, India

## RPA Intern

Following the completion of my one-month training program, I was immediately assigned to work on several live projects in the field of Robotic Process Automation (RPA). These practical experiences proved to be instrumental in launching my career in this domain. They provided me with invaluable hands-on experience and allowed me to apply the skills I had acquired during the training, making for a seamless transition into my role within the organization.