# Ishan Kaushik

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## Summary

AI Automation Engineer with hands-on experience in designing end-to-end workflow AI Automations, RPA solutions, and data pipelines using Python, FastAPI, Power Automate, n8n, Playwright, and MySQL. Specialized in LLM, RAG Agentic AI, OpenAI, Hugging Face, and LangChain to build intelligent automation and AI solutions. Experienced in developing REST APIs, Fast APIs CI/CD-workflows, Power BI reports and dashboard. Salesforce Certified Platform Administrator with practical experience and projects delivering, AI, data engineering, and cloud-based solutions.

## Experience

**vTech Solution Inc** — June 2025 – Present
App Service Analyst

**Projects: AI Resume Formatting**                                          GitHub

- Developed a Python-based web application using FastAPI, Uvicorn, and Ollama Cloud API for automating the extraction, normalization, and formatting of resumes into structured JSON formats.
- Integrated docx and PyMuPDF for handling DOC, DOCX, and PDF file types, and utilized Python scripting to automate document conversion and data extraction processes.
- Automated the population of template placeholders, converting raw resume data into fully formatted, client-ready resumes, with the integration of AI-driven data extraction and document conversion, reducing recruiter manual effort by 90–95% and allowing the U.S. client to receive personalized resumes with minimal manual effort.

**Project: Resume Harvesting using Power Automate**

- Designed and deployed an AI-powered resume harvesting solution using Power Automate Cloud, Ceipal REST APIs, Azure OpenAI, and Google CSE, building an hourly scheduled workflow that authenticates, retrieves job data, structures metadata, and generates intelligent x-ray search strings.
- Created a structured processing pipeline utilizing Apply-to-Each loops, JSON transformation, URL normalization, and LinkedIn-specific filtering to extract high-quality candidate profiles from Google CSE.
- Built a secure backend integration using ODBC through the On-Premises Data Gateway, enabling seamless insertion of harvested profiles into a remote MySQL database with automated SNO sequencing and status tracking.
- Developed a dedicated RPA workflow using Power Automate Desktop to handle browser-based interactions, fallback scraping operations, and automated validations.
- Designed a Power BI dashboard to track end-to-end harvesting performance, visualizing 15–25 jobs per day from Ceipal, 25–40 candidates per job within an 80–300 mile search radius, resume processing time of 30 seconds per candidate, and real-time visibility into job-wise candidate matching, profile ingestion, and successful resume uploads into the Ceipal ATS.

**Projects: Candidate Sourcing Using n8n**                                   GitHub

- Designed and deployed automated candidate-job data workflows in n8n, integrating Ceipal Webhook APIs, custom code nodes, Gemini nodes for Boolean and X-Ray search string generation, Google CSE, and Bitbucket, streamlining recruitment operations and improving data accuracy.
- Enhanced automation ecosystem through REST API integrations, Postman testing, and LLM applications, including training company-specific LLMs on proprietary datasets by supporting collaboration through Bitbucket-based version control and deployment governance.

**Projects: Opportunity Scraper**                                            GitHub

- Built an AI-powered web scraping tool using Playwright, undetected Chrome browsers, Selenium, and BeautifulSoup with conditional filtering to extract structured opportunity data from portals (SAM.gov, GovWin), auto-export reports (CSV/JSON), and schedule email summaries for stakeholders.

**Projects: Get Rate Feature**

- Developed and integrated APIs for "Get Rate" click tracking and reporting, enabling real-time insights, monthly analytics, and enhanced visibility into platform engagement metrics.

**1Stop.ai (E-Cell IIT Roorkee)** — June 2024 – Oct 2024
Data Science Intern

**Projects: Spam SMS Detection** [GitHub](#)

- Developed and deployed end-to-end SPAM SMS classifier using NLP and machine learning, improving filtering precision from 95% to 97%. Also led EDA and BI projects on credit datasets and sales forecasting.
- Achieved Precision of 1.0 and increase the model accuracy from 95% to 97% by 3,000 words.

**Project: Credit EDA** [GitHub](#)

- Utilized libraries like Matplotlib and Seaborn to identify trends and correlations in credit data, such as heatmaps and scatter plots illustrating relationships between credit score and default risk.
- Used Cosine Similarity, Text Vectorization, Python, Pandas, Scikit-learn, and Streamlit.

**Super Store Sales Forecast Dashboard:** [GitHub](#)

- Built a Power BI dashboard to visualize sales KPIs and forecast trends, enabling retail teams to optimize inventory and increase ROI by predicting demand.

**AI Skin Analyzer:** [GitHub](#)

- Developed an AI-powered skin analysis application using a custom CNN with OpenCV and FastAPI, integrating photo capture, image upload, and structured CSV/JSON outputs to deliver real-time skin condition assessments.

## Skills

**Programming:** Python, SQL, Data Structures & Algorithms, Problem Solving, Object Oriented Programming

**Machine Learning & AI:** Machine Learning Algorithms, Supervised & Unsupervised Learning, Feature Engineering, Classification Models, Model Evaluation, NLP, Hugging Face, Text Vectorization, Retrieval-Augmented Generation (RAG), Prompt Engineering, Agentic AI, LLM Orchestration, AI Automation Pipelines

**Frameworks & Automation:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, OpenCV, FastAPI, LangChain, Power Automate, RPA Workflow Design, n8n, Playwright, Selenium, BeautifulSoup, Browser Automation

**Databases & Analytics:** MySQL, PostgreSQL, SQL Server, ODBC Integrations, Data Modeling, ETL Pipelines, Data Processing, Power BI, Advanced Excel, Predictive Analysis, Analytics Reporting

**Cloud Tools:** CI/CD Pipelines, Copado (Salesforce DevOps), Git Bash, GitHub, Bitbucket, AWS Cloud, Salesforce (Administration, Flow Builder, CRM, Process Builder, App Builder, Data Loader, Workflow Rules), REST APIs, Webhooks, API Gateways, Postman, JIRA, On-Premises Data Gateway

## Education

**Rajasthan Technical University**, Bachelor's of Technology in Electrical Engineering    Nov 2021 – May 2025
- CGPA: 8.52/10

**Atomic Energy Central School**, High School    Apr 2020 – July 2021
- Percentage: 80% in PCM

## Achievements

- **LeetCode** — Solved 80+ problems
- **HackerRank** — 5 star in SQL
- **Trailhead** — Mountaineer rank: 25+ badges and 18,000+ points
- **Secretary** — Robotics Club, RTU, Kota
- **Technical Head & Technical Advisor** — Student Activity Center (SAC), RTU, Kota

## Certifications

**Salesforce:** Salesforce Certified Platform Administrator

**Salesforce:** Salesforce Certified Associate

**Copado:** Copado Certified Fundamentals 1 SFP

**Copado:** Copado Certified Fundamentals 2 SFP

**HackerRank:** Advanced SQL