

# Chirag Modi

Python Developer

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## Education

**K.S. School of Business Management, Gujarat University**

Bachelor of Science in Information Technology

3.76 / 5 GPA  
July 2020 - May 2023

**K.S. School of Business Management, Gujarat University**

Master of Science in Information Technology

3.69 / 5 GPA  
July 2023 - May 2025

## Core Competencies

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|------------------------------|--|
| Languages & Frameworks:      | Python, Django, Flask, REST APIs, Socket Programming |
| Security & Auth:             | Auth0, JWT, RBAC                                     |
| Automation & Tools:          | RPA, APScheduler, LangChain, AWS Textract            |
| Libraries & Utilities:       | Pandas, Numpy, Selenium, SQLAlchemy                  |
| Version Control & Dev Tools: | GitHub, Jupyter, VS Code, PyCharm, Trello            |

## Experience

Python Developer Intern

VC-ERP Consulting – Jan 2025 – Present | Ahmedabad, Gujarat

### Bot Automation Platform

- Developed a centralized platform using Python, Flask, and SQLAlchemy to schedule, manage, and monitor automation bots across multiple client systems.
- Implemented JWT-based authentication (Auth0) for secure, role-based access control.
- Integrated APScheduler for scheduled and recurring bot tasks.
- Designed features to dynamically add, configure, and assign bots to client environments.
- Enabled real-time bot health monitoring and detailed activity logging for audit trails.

Tech Stack: Python, Flask, SQLAlchemy, APScheduler, Auth0 (JWT), REST APIs

### Dynamics 365 Automation

- Automated invoice processing and journal entry creation in Dynamics 365 using web automation and PDF parsing.
- Built end-to-end pipeline:
- Monitored vendor-specific emails
- Parsed attachments with pdfplumber, fitz, and PyMuPDF
- Performed data validation via pymssql against a remote DB
- Automated Dynamics 365 portal interactions via Selenium
- Generated detailed Excel audit reports using openpyxl and sent notification emails via Outlook integration.

Impact: Reduced manual processing time by 80–90%, improved accuracy, and enabled same-day entry processing.

Tech Stack: Python, Selenium, PyMuPDF, pandas, pymssql, Outlook (win32com), openpyxl

### HRMS Automation

- Automated the collection of employee timesheet reports (WFH/client-deployed), matched them against leave records, and sent automated reminder emails to employees with missing submissions.

Impact: Reduced manual follow-up workload for HR, ensured higher compliance with reporting deadlines.

## Cotton Bales Document Processing Automation

- Built an RPA workflow to automate invoice and bale transport document processing using AWS Textract and GPT models.
- Used AWS Textract for extracting text from scanned documents, followed by LangChain-powered pipelines integrating OpenAI and Cohere models to structure the extracted text into clean, standardized JSON.
- Implemented visual field highlighting on original PDFs for transparency and traceability.
- Deployed the entire pipeline to Render, ensuring scalable and reliable access for downstream automation.

Tech Stack: Python, Flask, AWS Textract, LangChain, OpenAI, Cohere, pandas, base64, pdf2image, Render

## Certificates

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- Power BI for Beginners - Simplilearn
- Django Online Course - GeeksforGeeks.

## Languages

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- English, Hindi, Gujarati