



# Abhijeet Raj Modanwal

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## PROFESSIONAL SUMMARY

IT Graduate with hands-on experience in Python, SQL, and Excel-based data processing. Proficient in designing automation solutions and data workflows using Azure Data Factory, Databricks, and Synapse. Demonstrated success in real-world projects across education and legal domains with strong skills in data handling and reporting.

## EXPERIENCE

### Open Minds – A Birla School, **Data Administrator**

Oct 2024- Present

- Converted student and library data to Excel using Python, updated attendance logs via SQL, and automated data tasks for academic reporting.

### Ballard Spahr, **PDF Processing & Automation**

Nov 2023- Nov 2024

- Handle scheduling, email authentication, logging, SQL interaction, PDF manipulation, and startup shortcuts, executing diverse tasks efficiently.

### The Sparks Foundation, **Data Science Intern**

March 2021- June 2021

- Analyzed and visualized data, built predictive models, and provided actionable insights to support business strategies and decision-making.

### Cetpa Infotech Pvt. Ltd., **Data Science using Python Intern**

Feb 2020- Aug 2020

- Developed a data processing, analysis, and visualization framework using Python libraries and algorithms for accurate and insightful data exploration and predictions.

## PROJECTS

### • Data Automation |

[abhijeetraj22/OMK\\_Project \(github.com\)](https://github.com/abhijeetraj22/OMK_Project)

[Oct 24 – Present]

Role: Data Administrator, **Tech Stack:** Python, MS Excel, Word, SQL. Developed a Python automation tool to convert marksheets and library data from TXT to Excel, update attendance via SQL, and streamline academic reporting for exams and administration.

### • Adventure Works – Azure Data Engineering Project |

[abhijeetraj22/Adventure-Work-DE-Project \(github.com\)](https://github.com/abhijeetraj22/Adventure-Work-DE-Project)

[Feb 24 – June 25]

Role: Self-Learner, **Tech Stack:** ADF, PySpark, ADLS Gen2, Synapse. Developed an end-to-end Azure pipeline to ingest GitHub CSV data, perform transformations in Databricks, store in ADLS, and build Power BI dashboards via Synapse integration.

### • ETL Pipeline with Azure Data Factory |

[abhijeetraj22/AzureDataFactortETL-Project \(github.com\)](https://github.com/abhijeetraj22/AzureDataFactortETL-Project)

[Oct 24 – Jan 25]

Role: Self-Learner, **Tech Stack:** ADF, SQL, Blob, ARM Templates. Designed and deployed a fully automated ETL pipeline that ingests CSV files from Azure Blob Storage, stages and transforms data into Azure SQL Database, and orchestrates runs via ADF triggers and pipelines.

## SKILLS

- **Programming:**  
Python, C/C++, SQL, T-SQL, SQLite
- **Libraries:**  
Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, PySpark
- **PDF & OCR Tools:**  
ReportLab, PyPDF2, PyMuPDF, Pillow, pytesseract
- **Data Platforms:**  
ADF, Azure SQL, Synapse, Blob Storage, ADLS Gen2, Databricks
- **Reporting & BI:**  
Power BI, Excel
- **Scheduling:**  
Task Scheduler, SQL Agent, PowerShell, .bat/.cmd scripting
- **APIs & Auth:**  
requests, REST API, bearer token, Windows Credential Manager
- **Source Control:** Git, GitHub
- **IDEs & Tools:**  
Jupyter, VS Code, DBeaver, Databricks Notebooks, Azure Portal

## EDUCATION

**Dr APJ Abdul Kalam Technical University - MCA Computer Science.**  
**7.41 CGPA**

Aug 2017 - Sep 2020

- Quiz System Application Project

**Magadh University - BCA Computer Science.**  
**68.1%**

Aug 2014 - Aug 2017

- Bank Management System Project

- **PDF Processing & Automation |**

[abhijeetraj22/PDF-Processing-Automation-Ballard-Spahr \(github.com\)](https://github.com/abhijeetraj22/PDF-Processing-Automation-Ballard-Spahr)

[Nov 23 – Nov 24]

Role: Developer, **Tech Stack:** Python, MS-SQL, Schedule, Log, Pillow. Designed and delivered an enterprise-grade automation suite for voucher-based PDF processing, SQL integration, secure API access, OCR extraction, folder cleanup, logging, and automated email alerts.

- **Excel/CSV to SQL Import Automation |**

[abhijeetraj22/Excel-CSV-to-SQL-Import-Automation \(github.com\)](https://github.com/abhijeetraj22/Excel-CSV-to-SQL-Import-Automation)

[Sep 23 – Nov 23]

Role: Developer (Self Study), **Tech Stack:** SSIS, SQL Server Agent, SQL, Script Task (.NET), OLEDB.

Automated dynamic import of Excel/CSV files to SQL Server using SSIS packages and SQL Agent scheduling, with table creation, deduplication, error logging, and archival workflow.

- **IoT & Computer Vision |**

[abhijeetraj22/TSF-GRIP\\_IOT\\_Tasks \(github.com\)](https://github.com/abhijeetraj22/TSF-GRIP_IOT_Tasks)

[Mar 21 – June 21]

Role: Intern, **Tech Stack:** Python, OpenCV, pytesseract, NumPy. Implemented object detection, OCR for text extraction, and color recognition in images/videos using computer vision techniques to support IoT-based automation and analytics.

- **Data Science & Business Analytics |**

[abhijeetraj22/TSF-GRIP\\_Tasks \(github.com\)](https://github.com/abhijeetraj22/TSF-GRIP_Tasks)

[Mar 21 – June 21]

Role: Intern, **Tech Stack:** Python, Matplotlib, Seaborn, Scikit-learn. Executed supervised & unsupervised ML models, performed advanced EDA on multiple domains (retail, sports, terrorism, stock market), and developed visual dashboards for actionable insights.

- **India & World COVID-19 Analysis |**

[India & World COVID-19 Anlyz, Visualiz, Predict | Kaggle](https://kaggle.com/abhijeetraj22/India-and-World-COVID-19-Anlyz-Visualiz-Predict)

[Feb 20 – Aug 20]

Role: Data Analysis, **Tech Stack:** Python, Pandas, NumPy, Matplotlib. This project involves data cleaning, interactive visualization, trend analysis, comparative analysis, predictive modeling, & informative reporting for comprehensive COVID-19 data analysis and insights.

- **Quiz System Application |**

[abhijeetraj22/Quiz\\_Systems: first \(github.com\)](https://github.com/abhijeetraj22/Quiz_Systems-first)

[Feb 20 – Aug 20]

Role: Designer & Developer, **Tech Stack:** Python, Tkinter, SQLite. Designed and developed the Quiz System Application with user registration, authentication, quiz creation, random question generation, timed quizzes, score tracking, result generation, and data storage.

- **Banking Management System |**

[abhijeetraj22/Banking-Management-System \(github.com\)](https://github.com/abhijeetraj22/Banking-Management-System)

[Jan 17 – Jul 17]

Role: Designer & Developer, **Tech Stack:** Java Swing, SQL. Automated core banking processes, including account opening, daily transactions, fund transfers, and account maintenance to streamline banking operations.

## SOFT SKILLS

- Teamwork
- Leadership
- Creativity
- Time Management
- Problem-solving

## CERTIFICATIONS

- [ML AL Skills Challenge](#)
  - Microsoft (Aug 2023)
- [Accenture Developer Program](#)
  - Forage (Jun 2023)
- [Tata Group's Data Visualization](#)
  - Forage (Jun 2023)
- [Python, SQL, DV & ML](#)
  - Kaggle (Apr – Dec 2022)
- [DL & Cybersecurity](#)
  - ShapeAI (May – Jun 2021)
- [Intro to Cybersecurity](#)
  - Cisco (May 2021)
- [Deep Learning: PyTorch \(GANs\)](#)
  - Jovian.ml (Jan 2021)
- [Data Analysis: Python to Pandas](#)
  - Jovian.ml (Oct 2020)
- [AI Classroom Series](#)
  - Microsoft (Dec 2020)
- [Data Science Foundations](#)
  - IBM (Jun 2022 – Aug 2023)
- [Problem Solving: Python, SQL, Java, JavaScript](#)
  - HackerRank
- [Python, HTML, CSS, C++, PHP, SQL](#)
  - SoloLearn

## SEMINARS & WEBINARS

- Ethical Hacking Tricks
  - CETPA (2020)
- Digital India & Tech
  - Digital India & Tech – Gaya College (2017)

## STRENGTHS

- Quick learner, Positive mindset
- Strong analytical thinking
- Keen interest in new tech

## HOBBIES & INTERESTS

- Cricket, Chess, Gaming
- Photo Editing (Photoshop, Lightroom)