

# Mahesh Joshi

**Date of birth:** 12/10/1993 | **Nationality:** Indian | **Gender:** Male | **Phone number:** (+91) 7385007397 (Mobile) |  
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## ABOUT ME

Have experience working in Iterative Agile Projects- excellent understanding of all phases of the Software Development Life Cycle (SDLC) from project definition to post-deployment.  
I am a professional and enthusiastic Machine Learning Engineer with 6 years of experience in the IT Industry. &  
I am currently working in Aress Software Solutions.

## WORK EXPERIENCE

05/07/2021 – CURRENT Nashik, India  
**DATA ANALYST** ARESS SOFTWARE SOLUTIONS

- 1.Expertise in Data Analysis, statistics programming, and ML/AI Techniques.
- 2.Extensive Model building experience with Machine Learning/AI Algorithms.
- 3.Hands-on experience in Python Libraries like Pandas, Selenium, and imap\_tools.
- 4.Expertise with **Regression, Classification, Clustering and Dimensionality reduction algorithms.**
- 5.Visualization experience with **seaborn and matplotlib in Python.**
- 6.Fluency with Python for data-science investigations using different Libraries such as **NumPy, SciPy, Pandas, Scikit-Learn.**
- 7.Able to identify data sets required to develop predictive models for Solving Internal, external business problems.  
Identify and implement use cases that might help the Organizational business development interpret results  
& produce actionable business insights that lead to measurable results. business & consumer experience performance improvements
- 8.Experience in creating models using algorithms Kernel-KNN, Decision Trees, Random-Forest, Gradient-Boosting and SVMs.

28/12/2017 – 28/06/2021 Bengaluru, India  
**MACHINE LEARNING ENGINEER** ZIAFA TECHNOLOGIES PVT LTD

## EDUCATION AND TRAINING

Sangamner, India  
**BACHELOR OF ENGINEERING IN ELECTRONICSAND TELECOMMUNICATION (E&TC)**  
Amrutvahini College of Engineering

## DIGITAL SKILLS

Python | ML: Keras, TensorFlow | Git, Git Hub, SVN | Microsoft Azure | Azure Datafactory | Azure DevOps | Design and implementation of ETL pipelines | Deployment on HEROKU | Set up AWS | Simple Salesforce | Rasa NLU | Docker | REST Web-services | Microsoft Graph API | Computer Vision | MLOPS | Natural Language Processing: transformers | sentence-transformers, HuggingFace, spacy, & NLTK | Pytesseract OCR | ETL and ELT | SQL | Data Visualisation with Tableau | Artificial Intelligence | Deep Learning

## ADDITIONAL INFORMATION

### PROJECTS

CURRENT  
**Data Excellence: Azure Pipeline Implementation** Role: **Cloud Devops Engineer**  
Established an **SFTP** Landing Zone, led reconciliation efforts for employee IDs in **Active Directory (AD)**, and executed the development of robust data pipelines leveraging Azure services. Utilized Azure Active Directory (AAD) Sync and the Microsoft User Graph API to seamlessly integrate Human Resources Information System (HRIS) data into Entra ID. This comprehensive approach ensured data accuracy and streamlined the flow of information for PrimePay.

Technologies Used: **Azure services, Graph API, Python, SQL**

**Project: Financial Distress Prediction Role: ML Engineer**

In this project, we built a machine learning model for analyzing the credit score and bank eligibility of the bank customer based on the previous transaction.

For making the model training I have used the regression algorithm (XG-Boost)

Based on the prediction score from the model, the customer will get the loan.

Technologies used: **Python, Flask MongoDB, Streamlit, EC2 instance.**

**Salesforce Automation Role: Python Developer**

In this project I have written a python script for scrapping emails from the Gmail using IMAP library.

Using flask, we have created a different route and called the route with the different HTML pages.

Use the MySQL database for storing the necessary information for the Login and Signup information of a user.

Created a payment gateway using Stripe service.

Also automated the Salesforce using python. Deployed the service on Heroku Cloud.

Technologies used: **Python, IMAP, Pymssql, Flask, Simple Salesforce, Stripe, Heroku.**

**Axxi Fintech Automation Role: Senior Python Developer**

In this project, we have worked on the extraction of the tickers, from one of the financial websites and prepared a CSV of the missing ticker.

This CSV file is sent to the Bloomberg terminal and stored the response in t database.

Created some custom views for the given data tables.

Written a stored procedure for inserting, updating, and Deleting queries. Created a dedicated python flow to generate a weekly billable report.

Technologies used: **Python, SQL, git, Prefect.**

**Data extraction from Emails and Salesforce automation. Role: Senior Python Developer**

In this project, we have Extracted the data for the different lenders from different emails.

- I have used "IMAP" Library for extracting relevant data.
- I have to Classify emails into three main scenarios (Approval, Decline, and Additional Information needed)
- Based on the scenario I have extracted the data and appended this data to the Salesforce instance.
- Post the data processing have moved the emails to the processed folder with the "Processed" tag in the email.

Technologies used: **Python, simple\_Salesforce, IMAP\_tool, Selenium libraries.**

**Invoice Data Extraction Role: Senior Python Developer**

In this project, I have extracted financial data from various invoice images. Creates a CSV file containing the extracted data.

Used the "Easyocr" engine for extraction of data from the image. 2] Using flask I have built a Flask application for the end user.

Using this GUI, the user can upload the invoice and able to download a CSV file

Technologies used: **Python, Easyocr library, flask, Computer vision.**

**Capital Fintech Role: Senior Python Developer**

In this project, I have replicated the out-system flow into python for the backend.

- I have written a python script for create order through which users can place a fintech order.Using flask, we have created the API for the create order.
- Cleaning of different tickets coming from a Bloomberg using pandas and extracting the last price from that data for the create order script.

Technologies used: **Python, Flask,SQL.**

**Intelligent Chatbot for Finance and HR (POC) Role: Chatbot Developer**

Responsible for the development of an intelligent virtual assistant aimed at comprehending and addressing user queries effectively. The project encompasses the integration of the chatbot with Microsoft Teams.

Leveraging advanced natural language processing (NLP) and machine learning techniques, the chatbot delivers tailored and precise responses. Key skills utilized in this project include conversational AI, NLU model training, dialogue management, and seamless integration with diverse platforms.

Technologies used: **Python, Azure, MSTEams, Flask, SQLite, Rasa-NLU**

## **CERTIFICATIONS**

**Microsoft - Started with Microsoft Fabric**

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**DECLARATION**

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I hereby declare that the above information is true and correct to the best of my knowledge. Any false information may result in the cancellation of my appointment.

Mahesh s. Joshi

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