# PRASHANT JAIN

***PYTHON DEVELOPER & DATA SCIENTIST***

## PROFILE

Over 9+ Years of experience in Developing Automation Scripts using Python & OOPs, Data Scraping, Data Analysis, Data Pre-Processing, Data Engineering, Creating ML Model APIs, API Deployment on AWS with Nginx Server, Developing ETL pipelines.

## CONTACT

**PHONE:**
+91-9716072106

**EMAIL:**
iamprashantjain2601@gmail.com

## GITHUB PROFILE

iamprashantjain/my_profile (github.com)

## LANGUAGE & LIBRARIES

- Python & OOPs
- Pandas & Numpy
- SQL
- AWS Deployment
- APIs(Flask, Streamlit)
- Github
- Web Scraping
- Dashboard Reports
- ETL Pipeline's
- NGINX Server

## HOBBIES

Adventure Travel
Stock Trading & Investing

## WORK EXPERIENCE

**Shriram Automall India Ltd– Data Scientist**
2022 – Present

- Data Web Scraping & Fetching from various sources.
- Data Pre-Processing & Engineering.
- Data Analysis.
- Developing REST APIs for ML models on Flask/Streamlit.
- Deploying Machine Learning Models on AWS with Apache/NGINX server.
- Worked In Agile & waterfall model of SDLC.

**Fare portal India – Python Developer & Data Analyst**
2013 – 2022

- Worked on Developing Automation Scripts using Python.
- Involved in various Data Preprocessing & Analysis activities.
- Creating & Deploying ML Model Webapps on AWS with Apache/NGINX server.
- Writing Efficient & Scalable Codes.
- Worked In Agile & waterfall model of SDLC.
- Direct dealing with US Clients for improvements & feedback.

## PROJECTS

**Shriram Automall India Ltd– Data Scientist**

- **ETL Pipeline using AWS SQL Dbs**
  In this project, I designed and implemented an ETL (Extract, Transform, Load) pipeline using AWS SQL databases. The purpose of this pipeline was to extract data from various sources, such as CSV files, databases, or APIs, transform and clean the data according to specific business rules, and load it into AWS SQL databases for further analysis. The pipeline included steps like data extraction, data cleansing (removing duplicates, handling missing values), data transformation (formatting, aggregation), and finally loading the transformed data into AWS SQL databases.

- **Developed & Deployed Multiple Dashboards using Streamlit.**
  As part of this project, I utilized the Streamlit framework in Python to develop interactive dashboards. These dashboards were designed to provide an intuitive and user-friendly interface for visualizing and exploring the analyzed data. I leveraged various visualization libraries in Python, such as Matplotlib or Plotly, to create charts, graphs, and other data representations. The dashboards were then deployed, making them accessible to end-users through a web browser, enabling them to interact with the data and gain insights.

- **ML APIs Deployment on AWS with NGINX.**
  In this project, I deployed machine learning (ML) models as APIs on AWS, utilizing NGINX as the web server. I've developed a RESTful API using Python frameworks like Flask .The API endpoints allowed users to send requests with input data and receive predictions or insights generated by the ML models. I ensured scalability and high availability by deploying the APIs on AWS, and NGINX acted as a reverse proxy to handle incoming requests and distribute them to the appropriate ML models.

**Fare portal India – Python Developer & Data Analyst**

- **Flight Change/Cancellation/Sked Change Python Automation.**
  I've developed a Python automation scripts to handle flight change, cancellation, and schedule change processes. These scripts eliminated the need for manual intervention, saving time and reducing errors. The automation scripts interacts with APIs to retrieve flight information, process change requests, and update databases. By automating these tasks, the process became more efficient, allowing the company to provide better service to customers and reduce operational costs.

- **Multiple Data Cleaning & Analysis Projects.**
  I've worked on multiple data cleaning and analysis projects. These projects involved tasks such as handling missing values, removing duplicates, standardizing data formats, and performing exploratory data analysis (EDA). I utilized Python libraries like Pandas & NumPy to manipulate and analyze the data. Through data cleaning techniques, I ensured data quality and integrity, enabling accurate analysis and insights. The analysis phase included statistical analysis, data visualization, and deriving meaningful conclusions to support decision-making processes.

- **Developed Dashboard's using Streamlit.**
  Similar to my previous role, I used the Streamlit framework in Python to develop interactive dashboards. These dashboards provided a user-friendly interface for visualizing and exploring the analyzed data. I integrated various visualization libraries to create informative charts, graphs, and tables. The Streamlit framework allowed for easy customization and interactivity, enabling users to filter, sort, and interact with the data. These dashboards served as powerful tools for stakeholders to gain insights, track performance, and make data-driven decisions.

## EDUCATION

**CSJM University: 2010 – 2013**
B.A. (Economics)