Omkar Pathak

Software Engineer · Full Stack Python Developer

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Experience

Numerator
Pune, Maharashtra, India

Python ETL Engineer · November 2020 - Present

- Developed **Airflow framework** for fetching data from various data sources like emails, postgresql database, oracle database, csv files; performing data transformations and storing it in **snowflake data warehouse**
- Author and maintainer for **CI/CD pipelines** for deployments in various environments
- Developed various **REST APIs** for Numerator data lake products

Schlumberger
Pune, Maharashtra, India

Data Engineer · July 2018 - Present

- Developed and managed custom **containerized** data ingestion framework using **Nifi**
- Author and maintainer of Source to Hub project which loads data **directly from source into google bigquery**. Project mainly aimed at eliminating intermediate data loading in native hadoop clusters for more efficiency, reliability and speed
- Responsible for implementing and managing an **end-to-end CI/CD Pipelines** with custom validations for Informatica migrations which brought **migration time to 1.5 hours from 9 hours** without any manual intervention
- Enhancing, auditing and maintaining custom data ingestion framework that ingest around **1TB of data each day to over 70 business units**
- Working with L3 developer team to ensure the discussed Scrum PBI's are delivered on time for data ingestions
- Planning and Executing QA and Production Release Cycle activities

Truso
Pune, Maharashtra, India

Full Stack Developer Intern · June 2018 - July 2018

- Created **RESTful APIs** using Django REST Framework
- Created event based fully dynamic frontend using Angular 5/6
- Developed and managed **MySQL databases and RDBMS architecture**

Propeluss
Pune, Maharashtra, India

Data Engineering Intern · October 2017 - January 2018

- Wrote various automation scripts to scrape data from various websites that were managed by messaging queue using **Celery pipelines and RabbitMQ**
- Applied **Natural Language Processing** to articles scraped from the internet to extract different entities in these articles using entity extraction algorithms and applying Machine Learning algorithms like **Naive Bayes** to classify these articles
- Applied KNN with LSA for extracting relevant tags for various startups based on their works

Personal Projects

Pyresparser
API/Python Package

July 2019 - Present

- A simple resume parser used for extracting information from resumes
- Extract information from thousands of resumes in just a few seconds
- Author and maintainer of this project
- **71k+ downloads on Github**

Pygorithm
API / Python Package

July 2017 - Present

- Author and maintainer of this project
- An educational library to teach all the major algorithms
- Got covered in Fosstack, FullStackFeed, Kleiber and Tagged under Hotest Github Project on ITCodeMonkey
- **29k+ downloads on Github**

Education

Marathwada Mitra Mandal's College of Engineering   *Pune, Maharashtra, India*
B.E. in Computer Engineering   *2014 - 2018*

Skills

Programming Languages:	Python, C, PHP, C++, Shell Script
Frontend Technologies:	HTML, CSS, JavaScript
Backend Technologies:	Django, Flask (Python)
Operating Systems:	Linux, Unix, Windows
Databases:	MySQL, PostgreSQL, SQLite, MongoDB, Snowflake
DevOps/Tools:	CI/CD (Travis CI, Github Actions, Azure DevOps), Docker, Kubernetes, Apache Airflow
Other:	Git, NLP, Scikit-Learn, Cloud (GCP, Azure, DigitalOcean)

Honors & Awards

2020	**Winner at Paintball competition** , organized by Commerzone IT Park in Jan 2020	*Schlumberger, India*
2018	**Top rated Python developer**, in Pune and **Fifth** in India at <u>Github</u>	*India*
2018	**Quora Top Writer**, awarded for active contribution for technical QnA	*India*
2018	**Awarded 'The Best Outgoing Student Award 2017-18'**, based on overall performance	*MMCOE, Pune*
2018	**Won 2nd Prize**, in an Hackathon organized by MIT-ADT Persona Fest 2018	*Pune*
2018	**Best Paper Award**, in National Level Conference on "Emerging Trends in Computing , Analytics and Security - 2018"(NCETCAS-2018)	*MMCOE, Pune*

Interests

- Illustrating
- Competitive Programming
- Photography
- Sketching
- Reading/Writing on Quora
- Contributing to Open Source projects