

Omkar Pathak

SENIOR SOFTWARE ENGINEER

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Experience

Ellicium Solutions

Pune, Maharashtra, India

SENIOR CONSULTANT

May 2022 - Present

- Led the **designing, developing** and supporting enterprise-grade of two SaaS products using Microsoft stack on Azure
- Managed a team of **11 developers** and **9 developers** respectively, for each SaaS product development. Collaborated with cross-functional teams, including supply chain, procurement, and IT, to define requirements, develop solutions, and implement the application
- Conducted **data analysis** and risk assessments to identify critical supply chain risks and develop mitigation strategies
- Oversaw the integration of the application with external data sources to provide real-time risk monitoring and alerts
- Worked closely with the user interface and user experience (UI/UX) team to ensure the application was user-friendly and intuitive
- Conducted various workshops on Python, Data Science, Machine Learning, and software development life cycles
- Led and developed various PoCs with **engagement** to major product deliverables

Numerator

Pune, Maharashtra, India

PYTHON ETL ENGINEER

November 2020 - May 2022

- Responsible for designing, setting up, and implementing ETL pipelines using Airflow for ensuring smooth data transfers between required sources
- 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 - November 2020

- Developed and managed custom **containerized** data ingestion framework using **Nifi**
- Author and maintainer of Source to Hub project which loads data **directly from the source into google bigquery**. The 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 ingests around **1TB of data each day to over 70 business units**
- Working with L3 developer team to ensure the discussed Scrum PBIs 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
- **300k+ 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](#)
- **35k+ 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

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

Interests

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