

Omkar Pathak

SOFTWARE ENGINEER | FULL STACK PYTHON DEVELOPER

Pune, Maharashtra, India

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Experience

Schlumberger

Pune, Maharashtra, India

DATAENGINEER

July 2018 - Present

- Responsible for implementing and managing an end-to-end CI/CD Pipeline 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
- Tried my hands on Angular 5/6
- Was responsible for Django backend development

Propeluss

Pune, Maharashtra, India

DATA ENGINEERING INTERN

October 2017 - January 2018

- Wrote various automation scripts to scrape data from various websites.
- 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 to classify these articles.
- Also applied KNN with LSA for extracting relevant tags for various startups based on their works.

GeeksForGeeks

Pune, Maharashtra, India

TECHNICAL CONTENT WRITER

July 2017 - September 2017

- Published 4 articles for the topics such as Data Structures and Algorithms and Python

Softtestlab Technologies

Pune, Maharashtra, India

WEB DEVELOPER INTERN

June 2017 - July 2017

- Was responsible for creating an internal project for the company using PHP and Laravel for testing purposes
- Worked on a live project for creating closure reports using PHP and Excel

Projects

Pyresparser

API/Python Package

PERSONAL PROJECT

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

Garbage Level Monitoring System

IoT

TEAM PROJECT

October 2017 - May 2018

- To find a economical and smarter alternative to current garbage problems
- Users can monitor levels of all garbage bins from a global dashboard provided
- Was responsible for Django backend development

Pygorithm

PERSONAL PROJECT

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 Hottest Github Project on [ITCodeMonkey](#)

Smart Surveillance System using Raspberry Pi and Face Recognition

IoT

PERSONAL PROJECT

January 2017 - February 2017

- Face Recognition using OpenCV and Python
- Raspberry Pi was used as the data server
- User notified if any suspicious activity detected in real time

PasswordStrengthEvaluatorusingMachineLearning

Machine Learning

PERSONAL PROJECT

March 2017

- SVM algorithm used for training and classification
- Flask framework used
- Self-generated dataset

Education

Marathwada Mitra Mandal's College of Engineering

Pune, Maharashtra, India

B.E. IN COMPUTER ENGINEERING

2014 - 2018

- Aggregate 74%

Skills

Programming Languages: Python, C, PHP, C++, Shell Script **Frontend**

Technologies: HTML, CSS, JavaScript, Angular 6/7 **Backend Technologies:**

Django, Flask (Python), Laravel (PHP)

Operating Systems: Linux, Unix, Windows

Databases: MySQL, SQLite, MongoDB

Other: Git, NLP, Scikit-Learn, OpenCV, Cloud (GCP, Azure, DigitalOcean)

Honors & Awards

2018 **Top rated Python developer**, in Pune and Fifth in India at [Github](#)

India

2018 **Quora Top Writer**,

India

2018 **Awarded 'The Best Outgoing Student Award 2017-18'**,

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

Extracurricular Activities

Contributor in Pune PyCon 2018

PUNE, MAHARASHTRA, INDIA

2018

- Was a part of Website Designing and volunteering committee

Mentor at GirlScript Summer of Code 2019

PUNE, MAHARASHTRA, INDIA

2019

- Mentored 4+ teams in various domains

Organizing head for the National level technical event - Innovatus

PUNE, MAHARASHTRA, INDIA

2018

- Organized project competitions

Workshop on IoT and Python

MMCOE, PUNE

10 Jan 2017

- Conducted a workshop for second year students to give them a brief overview about IoT by completing three mini projects and taught them basics of Python programming language

Publications

Smart Surveillance System using Raspberry Pi and Face Recognition

Garbage Level Monitoring System

DOI 10.17148/IJARCC.2017.64117

Interests

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