

# Omkar Pathak

SOFTWARE ENGINEER · FULL STACK PYTHON DEVELOPER

Pune, Maharashtra, India

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*"Make the change that you want to see in the world."*

## Experience

### Schlumberger

Pune, Maharashtra, India

DATA ENGINEER

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

API / Python Package

PERSONAL PROJECT

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](#)

## 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

## Password Strength Evaluator using Machine Learning

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 | <b>Top rated Python developer</b> , in Pune and <b>Fifth</b> in India at <a href="#">Github</a>                                       | India       |
| 2018 | <b>Quora Top Writer</b> ,   | India       |
| 2018 | <b>Awarded 'The Best Outgoing Student Award 2017-18'</b> ,  | MMCOE, Pune |
| 2018 | <b>Won 2nd Prize</b> , in an Hackathon organized by MIT-ADT Persona Fest 2018   | Pune        |
| 2018 | <b>Best Paper Award</b> , 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

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### Smart Surveillance System using Raspberry Pi and Face Recognition

DOI10.17148/IJARCCE.2017.64117

### Garbage Level Monitoring System

## Interests

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