

# 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

DATA ENGINEER

Pune, Maharashtra, India

July 2018 - Present

- Implementing CI/CD Pipeline with custom validations for Informatica migrations
- Automating stuff and finding new and better ways to do so

### Truso

FULL STACK DEVELOPER INTERN

Pune, Maharashtra, India

June 2018 - July 2018

- Created RESTful apis
- Tried my hands on Angular 5/6
- Was responsible for Django backend development

### Propeluss

DATA ENGINEERING INTERN

Pune, Maharashtra, India

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

TECHNICAL CONTENT WRITER

Pune, Maharashtra, India

July 2017 - September 2017

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

### Softtestlab Technologies

WEB DEVELOPER INTERN

Pune, Maharashtra, India

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

### Django Gymnasium Member Manager

PERSONAL PROJECT

Web App

March 2018 - April 2018

- Easy to use (Even an amateur can use!)
- Faster load speeds (thanks to Django 2.0!)
- Reports for keeping track of payments and admissions

### Garbage Level Monitoring System

TEAM PROJECT

IoT

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

### A Simple Note taking Web App

PERSONAL PROJECT

Web App

September 2017 - October 2018

- A Web app that helps you to quickly store and retrieve all your important notes at one place

## 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 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

## 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