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**](https://github.com/OmkarPathak/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](https://github.com/OmkarPathak/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**](https://github.com/OmkarPathak/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](https://fosstack.com/algorithms-with-python/), [FullStackFeed](https://fullstackfeed.com/pygorithm-a-python-module-for-learning-all-major-algorithms/), [Kleiber](https://kleiber.me/blog/2017/08/10/tutorial-decorator-primer/) and Tagged under Hotest Github Project on [ITCodeMonkey](https://www.itcodemonkey.com/article/653.html)

## [Smart Surveillance System using Raspberry Pi and Face Recognition](https://github.com/OmkarPathak/Smart-Surveillance-System-using-Raspberry-Pi) *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**](https://github.com/OmkarPathak/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

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| --- | --- | --- |
| 2018 | **Top rated Python developer**, in Pune and **Fifth** in India at [Github](http://git-awards.com/users/omkarpathak) | *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](https://www.omkarpathak.in/2017/01/10/iot-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**

DOI10.17148/IJARCCE.2017.64117

# Interests

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