

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	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

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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

DOI10.17148/IJARCCCE.2017.64117

Garbage Level Monitoring System

Interests

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