

# OMKAR PATHAK

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## WORK EXPERIENCE

JUNE  
2017 -  
JULY  
2017

### **Softtestlab Technologies, Pune.**

- 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

JULY  
2017

### **GeeksForGeeks**

- Selected as a technical writer
- Published 4 articles for the topics such as Data Structures and Algorithms and Python

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## PERSONAL PROJECTS

JULY  
2017

### **Author of Python module 'pygorithm'**

- An educational library to teach all the major algorithms

JULY  
2017

### **Garbage Level Monitoring System**

- Django framework used on server side
- Was responsible for frontend and database design

JAN  
2017

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

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

MAR  
2017

### **Password Strength Evaluator using Machine Learning**

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

MAY  
2016

### **Personal Website Design**

- Full stack web development
- No templates used

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## EDUCATION

2014- PRESENT	<b>BE in Computer Engineering</b> Marathwada Mitra Mandal's College of Engineering, Pune. <b>72% (Sixth SEM)</b>
2012- 2014	<b>HSC</b> Sinhgad College of Science, Pune <b>78%</b>
2002- 2012	<b>SSC</b> Dnyanganga English Medium School <b>89.81%</b>

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## SKILLS

- **Programming Languages:** Python, C, C++
- **Web Technologies:** PHP, Laravel, Django, Flask, HTML, CSS, JS
- **Operating Systems:** Linux, Windows
- **Databases:** MySQL

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## CO-CURRICULAR ACTIVITIES

2017	<b>Second Prize in Technix'17</b> - IoT Project competition held by IIT-Varanasi
2016	<b>Participated in Avishkar Project Competition</b> - Zonal level project competition organized by SPPU
2016	<b>Participation in COEP MindSpark</b> - Participation in C and C++ coding competitions
2016-2017	<b>Second Runner Up in Innovatus</b> - A National level project competition
2016	<b>Third prize in &lt;tech.h&gt;</b> - Coding competition held at MMCOE

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## ADDITIONAL ACTIVITIES

JAN 2017	<b>Workshop on IoT and Python</b> - Conducted a workshop for the Second Year students on IoT and to teach basics of Python programming language.
2016-2017	<b>Volunteering in various college level activities</b>
2016	<b>Campaigning for college events</b>
2016	<b>Organizing committee member of CSI</b> - Computer Society of India

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## PUBLICATIONS

MAY  
2017

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

- Research Paper published in IJARCCE Journal
  - DOI10.17148/IJARCCE.2017.64117
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## INTERESTS

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