

# SWAPNEEL MEHTA

SWAPNEEL.MEHTA@DJSCE.EDU.IN | +91 9869456882

## EDUCATION

**UNIVERSITY OF MUMBAI**  
COMPUTER ENGINEERING  
2014 - 2018  
GPA 9.37/10

**PACE JR. SCIENCE COLLEGE**  
HSC BOARD EXAMINATION  
2012 - 2014  
SCORE 90.6/100

## SKILLS

### LANGUAGES

PYTHON, JAVA, C, BASH

### WEB

DJANGO, LAMP, JAVASCRIPT  
PHP, HTML, CSS, BOOTSTRAP

### OTHER

LINUX, FREEBSD, GIT

## PROJECTS

### BANKING WEBAPP | 2016

Financial Data Visualization  
Machine Learning, Django

### IMAGINASHION | 2016

Fashion Recognition Webapp  
OpenCV, Bag-of-words

### BLENDER AUTOMATION | 2016

Auto-evaluation for Blender  
OpenCV, Bash, Python

### NGO MANAGER | 2015

Event, Student, Donor Manager  
HTML, CSS, Django, SQLite

### SMARTERBARTER | 2015

Student book sharing platform  
Heroku, Fuzzy Logic, Django

### LEARNBRIX | 2013

Programming Platform  
Moodle, Javascript

[GITHUB.COM/SWAPNEELM](https://github.com/SwapneelM)

## EXPERIENCE

### RESEARCH INTERN AT CERN | June 2017 - August 2017

Worked with Hadoop and Spark streaming on anomaly detection among database connections using unsupervised learning techniques - distance, density, and temporal clustering - for building a unique monitoring system

### DRI AT STANFORD CROWD RESEARCH | December 2016 - Present

Served as a DRI (Group Leader) to guide the ML Team efforts in building research talks on papers from top conferences including ICML, KDD  
Completed projects with credits available online at [scholar.stanford.edu](https://scholar.stanford.edu)

### ENGINEERING INTERN AT SMOKESCREEN INC. | December 2016 - Present

Developed proof-of-concept for features to improve network security and leveraging neural networks to automate and enhance decoy deployment  
Building clustering algorithms using edit-distance and Markov chains

### RESEARCH INTERN AT IIT BOMBAY | September - December 2016

Investigated techniques for auto-evaluation of Blender assignments using OpenCV, Machine Learning, Bash Scripting and the Blender Python API  
Served as a Course Instructor for Blender Animation course SKANI101xA

### ENGINEERING INTERN AT FALKONRY INC. | July - September 2016

Pattern recognition in time-series data using Machine Learning  
Developed data streaming methods in Java, Javascript and Python  
Contributing to CI hardening available on the Falkonry Github repository

### INTERN AT MICROSOFT RESEARCH (IIT BOMBAY) | May - July 2016

Worked at IIT Bombay on a Microsoft Research project involving analytics and clustering patterns for a social-welfare Android e-commerce application  
Set up dashboards to view user interactions on the 'Lokacart' client app

### FOUNDER AT CC DEVELOPERS | September 2015 - May 2016

Led a team of three members that developed websites for clients from India, China, Dubai and the Government of India using Laravel and Django  
Organized free CS workshops at schools and colleges on a variety of topics

## AWARDS

INDIAN ACADEMIES OF SCIENCE AWARDED SCHOLAR  
BARCLAYS RISE HACKATHON - ENVESTNET YODLEE AWARD  
GOOGLE AND TATA TRUSTS NANODEGREE SCHOLARSHIP  
COMPUTER SOCIETY OF INDIA AND IIT-B HACKATHON WINNERS  
CCDEV-WORKSHOPS HELPED PARTICIPANTS GET ACCEPTED INTO  
GOOGLE SUMMER OF CODE 2017, INTERSHIPS AT HAPTİK,  
AND RESEARCH INTERSHIPS AT IIT-BOMBAY

[LINKEDIN.COM/IN/SWAPNEELM](https://www.linkedin.com/in/swapneelm)

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Heroku, Fuzzy Logic, Django

### LEARNBRIX | 2013

Programming Platform  
Moodle, Javascript

## RELEVANT COURSEWORK

- ALGORITHMS, DATA STRUCTURES, GRAPH THEORY, COMPILERS
- LINEAR ALGEBRA, CALCULUS, PROBABILITY AND STATISTICS
- AUTOMATA, SOFTWARE ENGINEERING, DATABASE MANAGEMENT
- COMPUTER GRAPHICS, OPERATING SYSTEMS, COMPUTER NETWORKS

## EXPERIENCE

### DRI AT STANFORD CROWD RESEARCH | December 2016 - Present

Selected as a DRI (Group Leader) to guide the ML Team efforts in developing a research talk on the KDD Best Paper (2016) with the completed project available online for viewing at scholar.stanford.edu

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GOOGLE AND TATA TRUSTS SCHOLARSHIP

COMPUTER SOCIETY OF INDIA AND IIT-B HACKATHON WINNERS

ALL INDIA RANK 25 IN UNIFIED CYBER OLYMPIAD

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## RELEVANT COURSEWORK

- ALGORITHMS AND DATA STRUCTURES, GRAPH THEORY
- LINEAR ALGEBRA, CALCULUS, PROBABILITY AND STATISTICS
- THEORETICAL COMPUTER SCIENCE, DATABASE MANAGEMENT
- COMPUTER GRAPHICS, OPERATING SYSTEMS, COMPUTER NETWORKS

## EXPERIENCE

### RESEARCH INTERN AT CERN | June 2017 - August 2017

Selected from 1560 international applicants to work with the IT/Databases Group at CERN for anomaly detection among database connections using unsupervised learning techniques; greatly simplified flagging of anomalies

### DRI AT STANFORD CROWD RESEARCH | December 2016 - Present

Selected as a DRI (Group Leader) to guide the ML Team efforts in developing a research talk on the KDD Best Paper (2016) with the completed project available online for viewing at [scholar.stanford.edu](https://scholar.stanford.edu)

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Set up dashboards to view user interactions on the 'Lokacart' client app

### FOUNDER AT CC DEVELOPERS | September 2015 - May 2016

Led a team of three members that developed websites for clients from India, China, Dubai and the Government of India using PHP, the Laravel framework as well as the Django framework

## AWARDS

INDIAN ACADEMIES OF SCIENCE AWARDED SCHOLAR  
BARCLAYS RISE HACKATHON, CSI MUMBAI HACKATHON - WINNERS  
GOOGLE AND TATA TRUSTS SCHOLARSHIP  
SWEDEN-INDIA MEMORIAL QUIZ REGIONAL FINALISTS  
UNIFIED CYBER OLYMPIAD ALL INDIA RANK 25

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- COMPUTER GRAPHICS, OPERATING SYSTEMS, COMPUTER NETWORKS

## EXPERIENCE

### (INCOMING) RESEARCH INTERN AT CERN | June 2017 - August 2017

Guide: Mr. Prasanth Kothuri, Daniel Garcia; Selected from 1580 international applicants to work on anomaly detection, big data analysis using Apache Spark on HDFS clusters and pattern recognition among Database KPIs

### DRI AT STANFORD CROWD RESEARCH | December 2016 - Present

Selected as DRI (Team Lead), under Dr. Rajan Vaish, to guide the ML Team efforts in developing a research talk on the KDD Best Paper (2016) with the completed project available online for viewing at scholar.stanford.edu

### RESEARCH INTERN AT IIT BOMBAY | September - November 2016

Guide: Dr. Sameer Sahasrabudhe; Developing auto-evaluation system for Blender assignments using Machine Learning and the Blender Python API  
Served as a Course Instructor for the Blender Animation course SKANI101xA

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Worked at IIT Bombay on a Microsoft Research project involving analytics and clustering patterns for a social-welfare Android e-commerce application  
Set up dashboards to view user interactions on the 'Lokacart' client app

### FOUNDER AT CC DEVELOPERS | September 2015 - May 2016

Led a team of three members that developed websites for clients from India, China, Dubai and the Government of India using Laravel, Django and other CMS softwares over a period of nearly two years

## AWARDS AND IMPACT

BARCLAYS RISE HACKATHON - ENVESTNET YODLEE WINNERS

GOOGLE AND TATA TRUSTS SCHOLARSHIP

COMPUTER SOCIETY OF INDIA - IIT-B HACKATHON WINNERS

CCDEV-WORKSHOPS HELPED PARTICIPANTS GET ACCEPTED INTO

GOOGLE SUMMER OF CODE 2017, GET INTERNSHIPS AT HAPTİK,

RESEARCH AT IIIT-HYDERABAD AND IIT-BOMBAY