

Vinayak Mehta

<http://vinayak-mehta.github.io>
vmehta94@gmail.com | +91-9868525444

EDUCATION

GGSIPO, NEW DELHI

BTECH IN COMPUTER SCIENCE AND
ENGINEERING

Expected June 2016 | New Delhi, India
Percentage: 73.6

ST. CECILIA'S PUBLIC SCHOOL

Grad. May 2012 | New Delhi, India

LINKS

Github:// [vinayak-mehta](#)
LinkedIn:// [mehtavinayak](#)
Twitter:// [@vortex_ape](#)

COURSEWORK

Applied Mathematics
Discrete Mathematics
Data Structures
Algorithms
Operating Systems
Computer Architecture
Database Management Systems
Computer Networks
Compiler Construction
Introduction to Machine Learning
(at udacity.com)
Machine Learning
(at coursera.org)
Artificial Intelligence
(Pursuing in 8th semester)

SKILLS

Operating Systems:

GNU/Linux • Windows

Proficient:

Python • C • C++

Familiar:

git • \LaTeX • HTML/CSS/Javascript
numpy • scipy • scikit-learn
pandas • matplotlib • requests • bs4
selenium • node.js

OTHER ACTIVITIES

Sport Programming

Have solved over 110+ problems on
Codechef, Codeforces.

Handle • [vortex_ape](#)

Google Developer Group BVP

Core Team Member (2012)

EXPERIENCE

SOCIALCOPS | DATA ENGINEERING INTERN

Jan 2016 – present | New Delhi, India

- Developing parallel and distributed web-scraping and parsing architectures for obtaining open data.

NATIONAL INFORMATICS CENTRE | SOFTWARE INTERN

Jun 2015 – Jul 2015 | New Delhi, India

- Developed a complaint management portal using PHP, Javascript and MySQL for their Delhi High Court division.

SCIKIT-LEARN | OPEN SOURCE CONTRIBUTOR

Mar 2015 – May 2015 | New Delhi, India

- Contributed fixes, documentation and tests.

PROJECTS

DEEP LEARNING FOR OBJECT DETECTION | MAJOR PROJECT

Jan 2016 – present | New Delhi, India

Currently studying the usefulness of conditional random fields to improve convolutional neural networks' accuracy on CIFAR-10 image dataset.

TEXT-RETRIEVAL USING SELF-ORGANIZING MAP | MINOR PROJECT

Aug 2015 – Dec 2015 | New Delhi, India

Worked with Prof Narina Thakur to create a text retrieval system on the OHSUMED medical dataset. Implemented SOM which is a type of artificial neural network that uses an unsupervised learning approach.

MOVIE RECOMMENDER SYSTEM | MINI PROJECT

Jan 2015 – May 2015 | New Delhi, India

Worked with Prof Narina Thakur to create a movie recommender system on the MovieLens 100K dataset. Clustered movies into 19 genres using k-means algorithm and used Pearson Correlation Similarity Measure to find similar users.

MISC.

- **djwalebabu**: Made a collaborative music playing bot using the Slack real-time messaging API
- **analyzr**: Made a command-line tool for tweets analysis using the Twitter streaming API
- **Summarize it!**: Built a plugin for Slack to summarize large chat logs using the TextRank algorithm
- **Freeshot**: Implemented parabolic and elliptical equations to make a 2D basketball game using graphics.h in C++

ACHIEVEMENTS

2015 Rank 47

2015 Rank 1

2014 Cleared

2014 Cleared

2014 Honorable Mention

2011 Rank 2

2010 Rank 1

ACM ICPC onsite round at IIT Kharagpur

Programming contest by BVCOE ACM

Google Code Jam, Qualification Round

Facebook Hacker Cup, Qualification Round

ACM ICPC onsite rounds at IIT Kanpur & ASE Bangalore

Northern India Science Fair

CBSE AISSE, Awarded scholarship by school