

# Amandeep Singh

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## EDUCATION

### NSIT, UNIVERSITY OF DELHI

BTECH

Expected May 2019

Dwarka, New Delhi

Agg. Percentage: 76.29%

### S S MOTA SINGH SCHOOL

SENIOR SECONDARY

Passed Mar 2015 | New Delhi

Agg. Percentage: 96.80%

### S S MOTA SINGH SCHOOL

HIGH SCHOOL

Passed Mar 2013 | New Delhi

Cum. GPA: 9.2/10.0

## SKILLS

### PROGRAMMING

C, C++, Ruby, Python

### FRAMEWORKS

Rails, Bootstrap, Materialize

### RELEVANT SKILLS

Algorithms, Data Structures, Git,  
Backend Web Development

## OPEN SOURCE

### E-MAXX-ENG

(Translated version - russian algorithmic site)

Contributed in translations new articles  
and images for better understanding of  
algorithms

## LINKS

GitHub://amandeep511997

LinkedIn://amandeep511997

Quora://Amandeep-Singh-670

## ONLINE COURSES

Introduction To Algorithms

(By MIT 6.046 - at MITOCW)

Git And Github

(By Udacity)

## ACHIVEMENTS

### SCHOOL TOPPER | CBSE 2015

Was given scholarship for pursuing  
further studies

## INTERESTS

Sketching, Cooking, Reading

## WORK EXPERIENCE

### CODENATION | SOFTWARE DEVELOPMENT INTERN

May 2018 - July 2018 | Bangalore, India

- Worked with the Smart Platform team to build a Recommendation as a Service feature
- Developed the feature by tuning Apache predictionIO to get the required generalized recommendations
- Created an API service for serving recommendations using django and used celery workers for background jobs
- Implemented some use cases, for which the above prototype can be integrated to products
- Technologies worked with include, Docker, Apache predictionIO, Apache Spark, Django, Celery, rabbitmq, Neo4j, swagger, AWS(S3)

## PROJECTS

### PROJECT MANAGEMENT - ISSUE TRACKING TICKETS

Feb 2018 - Apr 2018

- Carried a case study on project management system for issue tracking tickets, using Database Management concepts.
- Developed an application for the same in Rails following TDD.
- Added various features for managing projects development cycle and tracking its progress.

### HACKEREARTH API GEM

Jan 2018 - Feb 2018

- Created a Ruby library for the official Hackerearth API
- Published gem on RubyGems, over 700+ downloads(Open Sourced on **Github**)
- Developed the gem following **Test Driven Development**

### CODESNIPPETS API

Jan 2018 - Jan 2018

- Developed a versioned RESTful API from scratch in Rails
- Added token based authentication using JWT
- Wrote integration test for requests using RSpec and capybara
- Created usage documentation(Open sourced on **Github**)

### CODESNIPPETS

Nov 2017 - Dec 2018

- Developed a code sharing platform in Rails
- Wrote integration testing for some features using RSpec, capybara and factoryGirl
- Used Bootstrap as front-end framework
- Deployed using puma and postgresql on Heroku

### CHESS

Dec 2017 - DEC 2017

- Developed a chess game using OOPS and MVC pattern in Python
- Used Tkinter module for adding GUI

### TEXT EDITOR

Aug 2017 - Aug 2017

- Developed a rich text editor in Python, implemented all required tools for working on text
- Used Tkinter module for adding GUI and os module to add all I/O operations

### GROVER MATRIMONIALS

Nov 2016 - Dec 2016

- Developed a fully functional matrimonial site for a client
- Built using Rails and Materialize