Amandeep Singh

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EDUCATION

NSIT, UNIVERSITY OF DELHI
B.E IN COMPUTER ENGINEERING
Expected May 2019 | New Delhi, India
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

LINKS

GitHub://**amandeep511997**
LinkedIn://**amandeep511997**
Quora://**Amandeep-Singh**-670

COURSEWORK

UNDERGRADUATE
Algorithms & Data Structures
Database Management Systems
Operating Systems
Graph Theory
Computer Organisation
Finite Automata

SKILLS

PROGRAMMING
C, C++, Ruby, Python
FRAMEWORKS
Rails, Bootstrap, Materialize
RELEVANT SKILLS
Algorithms, Data Structures, Git,
Backend Web Development, Blog
Writing

OPEN SOURCE

E-MAXX-ENG
(Translated version - russian algorithmic site)
Contributed in translations, added new
articles and images for better
understanding of algorithms

ONLINE COURSES

Introduction To Algorithms
(By MIT 6.046 – at MITOCW)
Git And Github
(By Udacity)

ACHIVEMENTS

SCHOOL TOPPER | CBSE 2015
Given scholarship for pursuing further
studies

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 (eariler on AWS, using nginx and puma)

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