

ADITYA GAJBHIYE

PERSONAL DATA

DEPARTMENT: 4th Year UG , Dept. of Computer Science , IIT Kanpur

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EDUCATIONAL QUALIFICATIONS

| Year | Degree/Certificate | Institute/Board | CPI/% |
|--------------|--------------------|-------------------------|--------|
| 2014-Current | B.Tech., CSE | IIT Kanpur | 7.4/10 |
| 2014 | Maharashtra SSC | State Board Maharashtra | 90.92% |
| 2012 | Matriculation | CBSE | 9.8/10 |

INTERNSHIPS

Intern
VMware

May 8, 2017 - July 14, 2017
Bangalore, India

- Developed Kubernetes cluster monitoring and alerting system.
- Improved performance by reducing workload, increased robustness, performed testing using Mockito.
- Learned Kubernetes architecture and vROps Adapter SDK as a part of development process.
- Followed Agile development methodology.

Intern / Full-Stack Developer
AxisRooms

May 9, 2016 - July 8, 2016
Bangalore, India

- Built a web based GUI to on-board customers which earlier was done manually with scripts.
- Used angularjs as front-end, nodejs & express as back-end and mongodb as database(MEAN Stack).
- Successfully increased efficiency and productivity of on-boarding process with simple interface.
- Developed RESTful APIs for all CRUD operations.

PROJECTS

KeyboardNinja Ruby on Rails Game

October 2016

- An online multiplayer typing game build on Ruby on Rails.
- Developed RESTful APIs for creating, joining games, getting result and updating players' current position.
- Built and deployed using Ruby on Rails, Coffeescript, MySQL, Postgres, AJAX, jQuery and Heroku. Open sourced under MIT License.
- Read "Learn Web Development with Rails" by Michael Hartl and grasped the basics of Rails.

College Festival APP(Android)

May 2015 - Oct 2015

- Built the Android application for the college cultural festival, Antaragni.
- Users can view schedule, event details, venue map and contact details of event organizer.
- Notifications, Result declaration, Reminders are provided through GCM.
- Licensed under Apache License. App is designed to be usable for other events.

Hostel Room Allocation (CS252 Project)

November 2016

- Developed an application for allocating rooms based on students' preferences.
- Solved using Stable marriage and Hungarian algorithms as base.
- Developed using MEAN stack and python, including libraries like Passport (authentication) and Bcrypt (encryption).

Perl Compiler (CS335 Project) - Developed Perl compiler using Python.

DBMS-UI (CS315 Project) - Developed Qt-based GUI for performing queries on MySQL server.

De Bruijn Sequences (CS201 Project) - Study and understand the creation of de bruijn sequences , their real life applications and using them to do mathematics based card tricks.

TECHNICAL SKILLS

- Programming Languages: C | C++ | JAVA | Python | Ruby | Perl
- Web Development: HTML | CSS | PHP | JavaScript | Typescript | AngularJS | NodeJS | Express | BootStrap | MongoDB | MySQL
- Technologies: Kubernetes | Docker | Tensorflow | Git | Perforce | Android Studio | vROps Adapter SDK
- Operating Systems/Tools: Linux (Arch Linux & Ubuntu) | Windows | Sublime | Visual Studio Code | Vim | Latex | Eclipse

RELEVANT COURSES

| | | |
|---------------------------------------|---------------------------------------|---|
| CS-771 Machine Learning * | CS-425 Computer Networks * | CS-628 Computer Security |
| CS-315 Principles of Database Systems | CS-210 Data Structures and Algorithms | CS-345 Design and Analysis of Algorithm |
| CS-330 Operating Systems | CS-335 Compiler Design | CS-340 Theory of Computation |
| MTH-101 Analytical Calculus | MTH-102 Linear Algebra and DE | MSO-201 Probability and Statistics |
| CS-201 Discrete Mathematics | CS-202 Abstract Algebra | CS-203 Logic |
| ESC-101 Introduction to Programming | ESC-201 Introduction to Electronics | CS-220 Computer Organization |
| MSO-202 Complex Variables * | MTH-426 Mathematical Modelling | MTH-428 Mathematical Methods * |

* - ongoing