

# Archit Jain

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## EDUCATION

### DELHI TECHNOLOGICAL UNIVERSITY

B.TECH -COMPUTER SCIENCE  
 Expected June 2017 | Delhi, India  
 Aggregate: 83.4% \*

### SACHDEVA PUBLIC SCHOOL

ALL INDIA SENIOR SECONDARY  
 CERTIFICATE EXAMINATION  
 May 2013 | Aggregate: 96.4% \*

### ALL INDIA SECONDARY SCHOOL EXAMINATION

May 2011 | CGPA: 9.6

### ALL INDIA ENGINEERING ENTERANCE EXAM

Rank 2087/14 lakh

## LINKS

Github:// [archit09jain](#)  
 LinkedIn:// [archit-jain-603972102](#)  
 Codechef:// [archit\\_jain08](#)  
 Spoj:// [emo8](#)  
 Codeforces:// [archit\\_jain08](#)  
 Hackerrank:// [archit\\_dtu\\_jain](#)

## COURSEWORK

### UNDERGRADUATE

Algorithm Design and Analysis  
 Data Structures  
 Operating System  
 Computer Networks  
 Object Oriented Programming  
 Discrete Mathematics

### ONLINE

Git and Github - Udacity  
 Intro to Machine Learning- Udacity

## SKILLS

### LANGUAGES

Proficient:

C++ • C

Intermediate:

Python • JAVA • HTML • CSS

Prior Knowledge:

Android • PHP • Javascript • SQL

### TOOLS AND FRAMEWORK

Git • Scikit-Learn(ML) • Netbeans Ide

## PROJECTS

### TAXI DRIVER PASSENGER SEEKING SYSTEM - OCT/NOV 2015

<https://github.com/A-And-A/TaxiPassengerSeekingStrategies>

- Unsupervised Machine Learning - KMeans Algorithm.
- Recommends nearby location where driver may find a customer booking.
- Tools/API : Java Netbeans IDE, Google Maps API, JSON Parser.

### ACCELEROMETER - GESTURE RECOGNITION - JAN/FEB 2016

<https://github.com/architogjain/IOT-Project>

- Internet of things - Accelerometer data collected from android smart phones and watches is used to predict the gesture performed by the user in a 3d space.
- Accuracy of approx 91% with SVM - C = 100 and Gamma = 0.001
- Controls desktop applications like VLC media player and 2048 game.
- Languages/Libraries : Java - Android, Python Scikit-Learn, Sqlite3, numpy, matplotlib, pyuserinput - pykeyboard and pymouse. .

### CODE AND SHARE - JUN/JUL 2015

<https://github.com/A-and-A/Code-n-Share>

- Text editor with code compilation and sharing functionality over a same network during competitive programming competitions.
- Developed for University Hostel LAN as an offline substitute of ideone.com using socket programming and ProcessBuilder class.
- Tools/API : Java Netbeans IDE.

### SPAM FILTER - JUN/JUL 2015

<https://github.com/architogjain/Spam-Filter>

- SVM 97.9% and G.N. Bayes 92.2%
- Tools/API : Java Netbeans IDE and Python Scikit Learn.

### ANDROID AND WINDOWS AI MOBILE GAMES - OCT/DEC 2013

- RUBIX(Android) - 2 Dimensional Rubik's cube with next move predictor.
- CROSSX(Windows) - Tic -Tac -Toe (Single Player Mode Included)

## ACHIEVEMENTS

|      |                     |                                                      |
|------|---------------------|------------------------------------------------------|
| 2015 | 69/1500             | Snapdeal Programming Hackathon - Hackerrank          |
| 2015 | 85/1312             | Adobe Programming Hackathon - Hackerrank             |
| 2015 | National Rank 80    | Chennai ICPC Preliminary Round                       |
| 2015 | National Rank 111   | ACM-ICPC-Amritapuri Multi-site Regionals             |
| 2015 | 1/500               | BITS Programming contest by IEEE DTU                 |
| 2015 | 1/300               | Sudocode programming contest by CSI DTU              |
| 2015 | 6/211               | DTU Programming Mania sponsored by Coding Blocks     |
| 2015 | National rank 110   | IOPC - IIT KANPUR                                    |
| 2015 | Global Rank 59/6456 | Codechef OCT Long Challenge                          |
| 2016 | Qualified Round2    | Facebook Hackercup                                   |
| 2016 | 44/4897             | Codagon - Codenation Coding Competition - Hackerrank |

- Amongst High Rated Coders in India on Programming Sites such as Codechef, Codeforces, Spoj etc.
- Among Top 70 coders in India (according to Codechef Long Challenge Ratings)