

# Shubham Rawat

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## EDUCATION

2013 - 2017 **Bachelor of Technology, Computer Science, Indian Institute of Technology, New Delhi (IN)**, GPA: 9.09/10.

2013 **All India Senior School Certificate Examination, Central Board of Secondary Education (IN)**, 96.8%.

2011 **All India Secondary School Certificate Examination, Central Board of Secondary Education (IN)**, GPA: 10/10.

## TECHNICAL SKILLS

- C++, Python, Java, Javascript, HTML5, CSS

## PROJECTS

- **Animation of a hexagon rolling on a 2-D terrain**
  - Done as a course project under prof. Preeti Ranjan Panda (April 2014)
  - Technologies used : Xlib library, C++
- **Implementation of the Quine-McCluskey Algorithm**
  - Done as a course project under prof. Kolin Paul (August 2014)
  - Coded the C++ implementation of the Quine-McCluskey algorithm for minimising boolean expressions.
- **Spam Classifier**
  - Done as a course project under prof. Parag Singla (September 2014)
  - Made a spam classifier using the Naive Bayes's Algorithm.
  - The program was given 9000 mails as learning data, and classified the 1000 mails given as test data with 90% accuracy.
- **Implementation of the LZW compression algorithm**
  - Done as a course project under prof. Amit Kumar (September 2014)
  - Wrote a compressor in C++ which compressed files using the LZW compression algorithm.

## ACADEMIC ACHIEVEMENTS

- Secured 84th rank in JEE Advanced 2013, among the top 150,000 candidates selected in JEE Mains 2013, both conducted by Indian Institutes of Technology
- Received a merit certificate for being in the national top 1% in NSEP (National Standard Examination in Physics), 2012

## RELEVANT COURSES TAKEN

- Digital Logic and Hardware Design
- Discrete Structures
- Machine Learning (Online course by Stanford University hosted on coursera.org)
- Intro. to Algorithms and Data Structures
- Probability and Stochastic Processes