

Mohit Vyas

mohitvyas@gmail.com

8957845175

## **Profile**

Hello, I'm Mohit. I hail from Jodhpur in the desert lands of Rajasthan. I am a B.Tech 4th year Computer Science and Engineering student at Indian Institute Of Technology, Bombay. I will be graduating in May, 2018. I am a theoretical computer science enthusiast as well as an enthusiastic programmer.

## **Technical Skill**

- Familiar with c and c++.
- Used Java to build Android apps
- Created android app with android sdk 2.3 on api level 25
- written more than 1000+ lines on code in c++

## **Scholastic Achievements**

- Secured All India Rank 26 in JEE (Advanced) out of 150 thousand candidates
- Awarded AP for outstanding performance in Design & Analysis of Algorithms, Logic & Biology
- Secured 99.97 percentile in JEE Mains among 1.3 million candidates
- Pursuing Honors in Computer Science

## **Project**

- Incrementally developed a compiler for programs written in a subset of C, in different stages like scanning, parsing, syntax analysis and assembly code generation using flexc++ and bisonc++
- Designed a Rube Goldberg Machine in Box2D, a 2-Dimensional physics simulation engine written in C++
- Simulated the game of 2048 in C++ using the cross-platform graphics library Simple and Fast Multimedia Library (SFML)
- Supported some major features of C like control flow statements, loops, nested function calls, arithmetic and boolean expressions
- Designed state machines for processor and memory and Implemented them in VHDL using Xilinx

