Rohan Balot

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Education

NSIT(Netaji Subhas Institute of Technology), New Delhi   *August. 2015 - PRESENT*
B.E. in Computer Engineering

Kendriya Vidyalaya, Tagore Garden, New Delhi   *April, 2013 - April, 2015*
High School

Skills

- **Programming Languages**: C, C++, Java, C#
- **Scripting Languages**: Bash(basic), Python(basic)
- **Operating System**: Windows, Linux (Ubuntu)
- **IT Constructs**: Data Structures
- **Database Management System**: MySQL
- **Frameworks, Tools & Libraries**: Qt, Android Studio, Qt Creator, OpenCV, CodeBlocks, Numpy

Projects

Finger-Paint

- A desktop app that lets you draw on screen by tracking colored strips worn on fingers.
- App allows editing existing images and saving images.
- **Built With**: C++, Qt, OpenCV

Image Sudoku Solver

- An application that takes in image of newspaper sudoku, and then solves it using image processing and machine learning.
- Image processing techniques like contour detection and morphology are used to extract sudoku grid from image, and then cells from the grid
- Each cell is then passed to OpenCV knn model to classify image into digits
- **Built With**: C++, OpenCV

Chess Game

- A two-player GUI chess game implementing all major OOP concepts. Shows possible moves with help of techniques like backtracking and greedy approach.
- **Built With**: Java

ToDo App

- An android todo app to maintain and schedule your work.
- **Built With**: Java, Android, MySQL

Achievements

2017   **Snackdown - 615 / 21038 (Team unsignedint)**, Codechef's annual coding competition
2017   **June Long Challenge - 295 / 9130 (Handle: rohanbalot)**, Codechef
2017   **Country Rank - 1600 / 87877**, Codechef
2017   **Purple Rated (Max rating - 1913, Handle: rohanbalot)**, Codechef