

## Education Qualification

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### Computer Science and Engineering

Shri Ramdeobaba College Of Engineering and Management  
C.G.P.A – 7.85

2016-present

## Technical Proficiencies

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- Programming Languages : C, C++, Java, Python, C#
- Codechef ( keshav\_ ) : 1992 rating (4★)

### Projects:

- **Super Mario using Genetic Neural Network** :  
Applied Genetics Algorithm to Super Mario. Using Python, Pygame, Keras libraries.
- **Augmented Reality Based Model Assembly** :  
An Augmented Reality App that is used to display Model Assembly Instructions. User Interaction with the model and navigation to steps were done. Intelligent Sense Feature also incorporated that automatically identifies the current state.
- **Research work on speech recognition** : (Ongoing)  
Aimed at finding alternative algorithms for improving speech recognition systems, which involved the study of Digital Signal Processing, and phonetic features. We plan to refine our findings and publish them.
- **Protect +** :  
Android app designed to prevent eye strain and avoid eye fatigue by scheduled break at different time intervals depending on the screen time as well as other factors and suggests measures to help eye fatigue.
- **Daily Expense Manager** :  
Implemented using Swing (Java). Desktop software that helps the user to manage their expenses.
- **Sudoku Solver** :  
It can currently solve easy sudoku. Output it shows a number if it's completely sure else will show all the possible numbers which can be on that place. Some more technique in this like X-Wing, SwordFish etc. can be incorporated for harder ones.

## Internships

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### **Machine Learning Intern**

**Sabertooth Technologies** :

**2/7/18 - 5/10/18**

- Build an LSTM (Neural Model) to predict how a company's price will change the next day. To do this, past similar trend of this company along with price change of other companies belonging to the same sector were used.
- Data Cleaning: Removing repetition, Dealing with missing data, Removing misleading data.
- Used different platforms ( such as Tensorboard) to better understand a model's growth and better visualisation of the results followed by employing suitable approaches to overcome the defect.

### **Front End Development**

**Shri Ramdeobaba College of Engineering and management** :

**11/5/-18 – 11/12/18**

- The task was to develop and maintain a web portal which will act as a mediator between the C.S.E department and respective students.
- Student portal will have details regarding all the events happening in the department such as events, newsletter, workshops, ongoing projects, internship programs etc.

## Certification

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- **UpGrad** – Learning Week in Machine Learning and Ai
- **Coursera** – Deep Learning Specialization

By: IIIT-B

By: deeplearning.ai

## Co-Curricular Activities

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- Winner of Smart India Hackathon 2019.
- Chapter Secretary of ACM Chapter of college.
- Problem Setter in Code Relay, Placement Trailer.
- Organised a workshop on "Problem Solving".
- Chapter Secretary of ACM Chapter of college.
- Secured 1st rank in "Technical Writing" contest held under Compusys Society.
- Executive and Technical Head for Polaris (Annual Branch Event)