RUDRA DESAI | [rudradesai.in](http://www.rudradesai.in)  
121, Godavari Hostel, IIT Madras 

## **EDUCATION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Program** | **Institution** | **%/CGPA** | **Year of completion** | |
| B Tech in CSE | Indian Institute of Technology Madras, Chennai | 8.55 | | 2022 |
| XII | Shivashish Public School | 9.1 | | 2018 |
| X | LFS high school | 93% | | 2016 |

## **SCHOLASTIC ACHIEVEMENTS**

* Secured an AIR 115 out of 230,000 candidates in JEE Advanced.
* Secured an AIR 133 out of 11,00,000 candidates in JEE Main.
* Was offered the prestigious KVPY fellowship with an AIR 628.

## **COURSE WORK**

* Programming and Data Structures
* Graph Theory
* Design and Analysis of Algorithm
* Probability and Statistics
* Computer Organization & Architecture
* Languages, Machines, and Computation
* Multi-Variable Calculus
* Sequence and Matrices

## **LABS**

* Programming and Data Structures Lab
* Object-Oriented Programming Lab
* Computer Systems Design Lab
* Computer Organization and Architecture Lab

## **SKILLS**

* Machine Learning
* Deep Learning
* Tensorflow
* Python
* C++
* Pytorch
* Django
* Html
* Pandas
* Matlab
* Wordpress
* C

## **CERTIFICATIONS[[1]](#footnote-0)**

* [**Machine Learning** by Stanford University](https://www.coursera.org/account/accomplishments/verify/XHWNENKVY6L7) (Oct 2019)
* [**Neural Networks and Deep Learning** by deeplearning.ai](https://www.coursera.org/account/accomplishments/certificate/4MWT7E732FWU) (Nov 2019)
* [**Improving Deep Neural Network** by deeplearning.ai](https://www.coursera.org/account/accomplishments/certificate/SPCWP8TDXJ6E) (Nov 2019)
* [**Structuring Machine Learning Projects** by deeplearning.ai](https://www.coursera.org/account/accomplishments/certificate/CB9KQVG5FT4Z) (Nov 2019)
* [**Convolutional Neural Networks** by deeplearning.ai](https://www.coursera.org/account/accomplishments/certificate/MU8ESV77AG9L) (Dec 2019)
* [**Sequence Model** by deeplearning.ai](https://www.coursera.org/account/accomplishments/verify/XHWNENKVY6L7) (Dec 2019)

## **PROJECTS**

1. **Codeforces Viewer | Course Project (Instructor: Prof. Rupesh Nasre)**  **(Present)** 
   * CFViewer is made to help codeforces users improve their performance by suggesting random problems and contests based on their submission history on codeforces.
   * Also, filters and sorting options are available to help users view problems easily. They can also track their performance using graphs available on the website. There is a functionality to solve other users' unsolved but attempted questions.
   * Website backend is made completely using the Django Framework. And deployed on amazon AWS EC2 instance. PostgreSQL is used as a database for the website.
   * Website Link : [www.rudradesai.in/cfviewer/](http://www.rudradesai.in/cfviewer/)
2. **Computer System Design | Course Project (Instructor: Prof. V. Kamakoti)**  **(Jul – Nov, 19)**
   * Constructed a modern, full-scale computer system - hardware and software - from the ground up.
   * Hardware was implemented using simple HDL.
   * Software like Assembler, Virtual Machine, and Compiler was implemented using C++ Language.
   * Project Files [link](https://github.com/rudradesai200/nand2tetris)
3. **Online Sudoku Solver | Home Project**
   * Extracted sudoku grid using Computer Vision
   * Converted it to int matrix using Deep Learning
   * Sudoku solving using software implementation techniques
   * Online uploading and web development using Django (Still under implementation)
   * Project Files [link](https://github.com/rudradesai200/onlinesudoku)

## **PROFESSIONAL EXPERIENCE**

1. **Product Development Intern | Godot Media (May-Present, 20)**
   * Working with Godot Media to optimize and develop [Narrato](https://narrato.io/), a digital content editing platform.
   * Adding several rules-based algorithms to check the correctness and readability of articles and blogs in realtime.
   * Adding ML models to classify the readability of articles.
2. **Web Developer | Earnvestt Technologies (April-Present, 20)**
   * Created the main website completely from scratch using the Django Framework.
   * It is deployed on Amazon AWS EC2 instance.
   * Website Link: [www.earnvestt.com](http://www.earnvestt.com)
3. **WebOps Team, ECell, IIT Madras | Associate Web Developer**  **(Oct-Mar, 18)**
   * Created multiple pages of the official ESummit 2019 Website using Wordpress
   * Set up Payment Portal for Summer Internship Portal 2019 Website with help of Goqles

1. Click on the name to open the link for verification. [↑](#footnote-ref-0)