

# Abhinav Talari

Junior Year Computer Science Undergrad

A Software Developer in the Making | Deep Learning Enthusiast |

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## EDUCATION

### Senior Secondary (XII Class)

Kendriya Vidyalaya Southern Command Pune

04/2017 – 04/2018

92.2 Percentage

### B Tech Computer Science Engineering

Indian Institute of Information Technology

07/2018 – Present

8.2/10

#### Courses

- Advanced DSA
- Linear Algebra
- OOPS
- DBMS
- Artificial Intelligence
- Programming

## PERSONAL PROJECTS

### ACE.AI : Easy Job Screening (06/2020 – 06/2020)

- Under IBM HackChallenge2020
- A website that analyses the Resume submitted by the person and the chatbot converses with the person which draws insights from the Conversation
- Tech Stack : DjangoREST | Python | BootStrap | Heroku

### TicTacToe with Adversarial Search Algorithms

- Created A TicTacToe AI Using Adversarial Search Algorithms like MinMax and Alpha Beta Pruning as part of Course Work
- Tech Stack : Python | Pygame

### Movie Recommendation using IMDB Dataset (06/2019)

- Used IMDB Dataset to Create a Content based Recommendation System

### Sudoku Solver using Backtracking

- Created A Sudoku Python game with Backtracking algorithm
- Tech Stack: Python | PyGame

### Blog in Django

- Debut Project in Django
- Created a Blog with Basic CRUD Operations and Authentication

### Machine Learning and Deep Learning Models (06/2020 – Present)

- ConvolutionalNeuralNetwork for MNIST Digit Recognizer on Kaggle
- GraphConvolutionalNeuralNetwork on Cora Dataset
- CYP Enzyme Prediction using Neural Networks
- RandomForestBinary Classifier For Titanic Disaster Prediction
- Currently work

## WORK EXPERIENCE

### Deep Learning Research Intern

Bayes Labs

06/2020 – Present

Open Research Specializing in Drug Discovery and Prediction

Bangalore

#### Achievements/Tasks

- Cyp Enzyme Predictions Using Neural Networks
- Reading Research Papers from the American Chemical Journals
- Went through several state of the art Edge Attention Based GNN for Molecular Embedding

## SKILLS

C/C++

Python

Java

React

Problem Solving

DL

ML

Web Dev

Django

Bootstrap

## ACHIEVEMENTS

Country Rank 4 : NSO CyberOlympiad

Top 10 Percentile of National Science Olympiad Conducted by IPA( Indian Physics Association)

2nd Runner Up : Cryptic Crossword Puzzle by CBSE

Regional Level : Table Tennis Player

Kaggle MNIST Digit Recognizer

Rank:956/5712 Accuracy:99.72

## CERTIFICATES

IBM : Data Analysis in Python

Offered online by Coursera and IBM

Machine Learning by Stanford

Offered online by Coursera

Neural Networks

Offered online by Coursera and deeplearning.ai

Improving Deep Neural Networks Hyperparameter Tuning

Offered by Coursera and deeplearning.ai

Structuring Machine Learning Projects

Offered by Coursera and deeplearning.ai

Introduction to TensorFlow

Offered by deeplearning.ai and Coursera

Bayesian Methods for Machine Learning

Offered by HSE University Russia

Mathematics for Machine Learning

Offered by Imperial College of London and Coursera

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

## INTERESTS

Deep Learning

Open Source Dev

Neuroscience