

# Harsh Agarwal

## MACHINE LEARNING PRACTITIONER

I am a 3rd-year student at VIT University pursuing Btech CSE(AI & ML). I bring a unique blend of data-driven insights and efficient code implementation to drive impactful solutions. With a passion for developing innovative algorithms and leveraging machine learning techniques, I excel at transforming complex data into actionable intelligence.

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github.com/HarshAgarwal512?tab=repositories

## EDUCATION

### BTECH CSE(AI & ML) VIT UNIVERSITY-CHENNAI

08/2021 - Present

CHENNAI, TAMIL NADU

CSE(AI & ML)

- CURRENT CGPA - 8.59/10

### INTERMEDIATE(MPC) SRI BHAVISHYA JR. COLLEGE

06/2020 - 07/2021

VIJAYAWADA, ANDHRA PRADESH

11th and 12th

- CGPA - 8.95/10

### SSC (CBSE) VPS PUBLIC SCHOOL

06/2018 - 05/2019

VIJAYAWADA, ANDHRA PRADESH

10th

- CGPA - 8.95/10

## EXPERIENCE

### DATA SCIENTIST SOLAR SECURE SOLUTIONS

06/2023 - Present

REMOTE

Achievements/Tasks

- Developed and implemented advanced machine learning models, resulting in a significant increase in accuracy for solar energy production forecasts, aiding in improved planning and decision-making processes.

### JAVA PROGRAMMING OASIS INFOBYTE

05/2023 - 06/2023

REMOTE

Achievements/Tasks

- During my tenure at Oasis Infobyte, I developed and implemented efficient Java programs, significantly reducing processing time and enhancing overall system performance.

## ORGANIZATIONS

### SOLAR SECURE SOLUTIONS (06/2023 - Present)

Developing and training a machine learning model to predict the presence of brain tumors in humans.

### OASIS INFOBYTE (05/2023 - 06/2023)

Developed an ATM interface using Java, while implementing and executing rigorous unit test cases with JUnit for comprehensive code coverage.

## SKILLS

DATA VISUALIZATION

NUMPY

PANDAS

JAVA

C++

C

## PERSONAL PROJECTS

### ATM INTERFACE USING JAVA (06/2023 - 06/2023)

### PREDICTING HEIGHT FROM THE GIVEN WEIGHT (05/2023 - 05/2023)

- A simple model that has been trained using a dataset taken from Kaggle platform that predicts the height of human based on weight with an RMSE value of 10.0007.

### PREDICTING IF THE TENNIS MATCH WILL BE PLAYED OR NOT (04/2023 - 05/2023)

- Took a play Dataset, trained a model that predicted if the tennis match will be played or not based on weather conditions with accuracy of 89.667%

### PREDICTING IF THE HUMAN HAS HEART DISEASE OR NOT (04/2023 - 05/2023)

- Trained a model and predicted based on the condition of human and got an accuracy of 82.5 using Decision Tree Classification, took the dataset from Kaggle

## CERTIFICATES

### INTRO TO JAVA AND OBJECT ORIENTD PROGRAMMING (05/2023 - 06/2023)

UNIVERSITY OF PENNSYLVANIA OFFERED BY COURSERA

### DATA VISUALIZATION (04/2023 - 05/2023)

KAGGLE

### INTRO TO MACHINE LEARNING (05/2023 - 06/2023)

KAGGLE

### PANDAS IN PYTHON (05/2023 - 05/2023)

KAGGLE

## ACHIEVEMENTS

### INTERNSHIP AT OASIS INFOBYTE (05/2023 - 06/2023)

### INTERNSHIP AT SOLAR SECURE SOLUTIONS (06/2023 - Present)

## LANGUAGES

HINDI

Full Professional Proficiency

ENGLISH

Full Professional Proficiency

## INTERESTS

COOKING

ATHLETICS

BADMINTON

CODING