

# Arhit Bose Tagore

Computer Science Undergraduate

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## EDUCATION

### Bachelor of Technology (B.Tech), Computer Science

Vellore Institute of Technology

2020 - Present

CGPA: 9.22/10

### Senior Secondary (XII), Science

FIITJEE Junior College

2018 - 2020

Percentage: 95.80%

### Secondary (X)

Johnson Grammar School CBSE

2019 - 2020

Percentage: 94.50%

## PERSONAL PROJECTS

### Diabetes Detection App (07/2021 - 08/2021) [🔗](#)

- Diabetes Detector is an app which gives you an exploratory data analysis
- Predict chances of diabetes using machine learning algorithm - Random Forest Classifier

### Handwritten Character Recognition using MNIST Dataset and Tensorflow (04/2021 - 05/2021) [🔗](#)

- Developed a Convolutional Neural Network to classify handwritten digits between 0-9, using TensorFlow Deep Learning Library.
- Achieved an accuracy of 97% on the testing and training dataset.

### Gym Bud (07/2021 - 07/2021) [🔗](#)

- An app that will check your body posture while you are doing an exercise and show how accurate the posture is.
- Used TensorFlow Lite model to detect faulty body postures.
- Also calculates BMI.

## WORK EXPERIENCE

### Team Member

Team Ojas [🔗](#)

2021 - Present

Achievements/Tasks

- Member of the Autonomous department in Team Ojas.
- Worked on path planning algorithm and model predictive control.
- Worked on optimization of algorithms

## SKILLS

Web Development

Machine Learning

Data Analysis

Python

MATLAB

## ACHIEVEMENTS

### Kaggle Contributor (2020 - Present) [🔗](#)

Participated in Kaggle Competitions and submitted medals winning notebooks for EDA.

### HackX (2021) [🔗](#)

Finished amongst top 25 teams in HackX Hackathon conducted by IEEE-SPS VIT. Build a full stack application to detect posture during gym workout.

### Solved 200+ problems (2020 - Present) [🔗](#)

Solved 200+ problems on multiple platforms like codechef and codeforces

## ORGANIZATIONS

### VinnovateIT (2020 - Present) [🔗](#)

Core Committee Member/ML Developer

## CERTIFICATES

### Getting Started With AWS Machine Learning (2021 - Present) [🔗](#)

Amazon Web Services (AWS), Online

### Deep Learning Onramp (2021 - Present) [🔗](#)

MathWorks- Present Constructed CNN in Matlab

### Machine Learning Pipelines With Azure ML Studio (2021 - Present) [🔗](#)

Constructed ML pipelines in Azure ML Studio

## LANGUAGES

English

Full Professional Proficiency

Bangla

Native or Bilingual Proficiency

French

Professional Working Proficiency

Hindi

Native or Bilingual Proficiency

## INTERESTS

Cyber Security

App Development

Blockchain