Aditya Jain

Student

Eager and enthusiastic student with a zeal to crack the code.

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📅 16 December, 2001

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EDUCATION

B.Tech
Vellore Institute of Technology, Vellore

07/2019 - Present   *CGPA - 9.59*

Class 12
Sri Chaitanya Techno School (CBSE)

2019   *Percentage - 92.4%*

Class 10
DAV Public School, Chirimiri (CBSE)

2017   *CGPA - 10*

PERSONAL PROJECTS

Correction of stutter in speech (10/2021)
- Performed feature extraction from speech, to apply analysis on amplitude correction of stutter.
- Trained a Covolutional Neural Network to apply this correction autonomously.

Handwriting Digit Recognition (10/2020)
- Programmed a Convolutional Neural Network to understand handwritten numerical characters
- Developed the system to operate on a real time basis

Detection of UID of Nanotechnology based RFID tag (10/2020)
- Fabricated a RFID using nano etching for the application of unique identification.
- Programmed the RFID to work for UID purposes.

CoVID 19 Bot (10/2020)
- Engineered a covid 19 bot to for automation of temperature check and floor disinfection
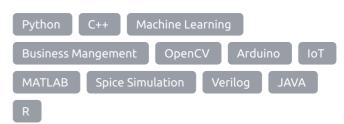
PUBLICATIONS

Comparison of sun tracking and fixed solar panel data with python PVLib classes
VIT, Vellore

02/2022

4th IEEE international confernece recent trends in computer science and technology, RVS college of Engineering and Technology, Jamshedpur

Achievements/Tasks

- Trained a random forest algorithm to calculate the angle of azimuth for highest solar intensity
- Designed a prototype to work on the aquired data from the ML model
- Sensors were installed on the working prototype to improve the model in a real time working scenario.

SKILLS

Python   C++   Machine Learning

Business Mangement   OpenCV   Arduino   IoT

MATLAB   Spice Simulation   Verilog   JAVA

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ACHIEVEMENTS

Merit Scholarship (07/2020 - 05/2021)

Was awarded merit certificate and scholarship for outstanding academic performance in the given year.

ORGANIZATIONS

The Electronics Club, VIT (12/2019 - Present)

Organized Parallax 2020 an international hackathon under TEC, VIT, Organized Business Ideas 2.0 and worked for the technical enrichment of club juniors.

CERTIFICATES

Java (Basic) (04/2022)

A test based coding assessment.

Problem Solving (Basic) (04/2022)

A test based coding assessment.

LANGUAGES

English
Professional Working Proficiency

Hindi
Full Professional Proficiency

INTERESTS

Public Speaking   Community Service   Badminton

Cycling   Sudoku