

# Sidharth Sivakumar

## Machine Learning Enthusiast

Second-year B.Tech Computer Science student passionate about Machine Learning and Data Science. Proficient in object detection with a strong grasp of machine learning concepts. Actively pursuing further skill development through ongoing coursework. Eager to apply theoretical knowledge in a practical setting through an internship opportunity and contribute meaningfully to the field.



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## EDUCATION

### BTECH

#### Vellore Institute of Technology

09/2022 - Present

Vellore, Tamil Nadu

##### Courses

- Computer Science and Engineering (Data Science)
- CGPA-9.01

### Higher Secondary Education

#### Delhi Public School

06/2020 - 03/2022

Bangalore, Karnataka

##### PCMC

- Percentage-95%

## PERSONAL PROJECTS

### Optimizing Machine Learning: Model Selection and Hyperparameter Tuning Analysis

- Testing out various machine learning models and find out the best data split, model and hyperparameter on diabetes dataset

### Solar Panel Health Classifier

- Predicting if the solar panel is clean, dirty or has electrical damage

### Traffic Object Detection in Video Streams

- Detect objects such as cars, buses in a video

## SKILLS

Machine Learning: Proficiency in applying machine learning algorithms, model development, and analysis to derive insights from data.

Python Programming: Strong programming skills in Python, used extensively in data manipulation, analysis, and machine learning frameworks like TensorFlow or Scikit-Learn.

Data Analysis: Ability to work with large datasets, clean and preprocess data and visualize findings using tools like Pandas, NumPy, and Matplotlib.

Object Detection: Practical experience in object detection techniques, including familiarity with computer vision algorithms and frameworks like OpenCV.

Data Modeling: Proficiency in developing and implementing various models to analyze and extract insights from data, encompassing predictive modeling, clustering, or regression techniques in the context of data science projects.

## LANGUAGES

### English

Full Professional Proficiency

### Hindi

Professional Working Proficiency

### Tamil

Limited Working Proficiency

### Malayalam

Limited Working Proficiency

## INTERESTS

Exploring Diverse CS Field

Hackathons and Challenges

Hands-on Project Enthusiast

Online Learning Enthusiast