

# Mohit Sai Krishna Peddakotla

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## CAREER OBJECTIVE

Dynamic computer science graduate with expertise in programming languages (Python, Java, C++) and core concepts (Data Structures, Algorithms, OOPs). Seeking to contribute effectively in a dynamic organization, collaborate with talented professionals, drive innovation for mutual growth.

## EDUCATION

**VELLORE INSTITUTE OF TECHNOLOGY**  
**B-TECH Computer Science**  
2019-2023 / 9.15 CGPA

**NARAYANA JR COLLEGE**  
**CLASS-12 MPC**  
2017-2019 / 97.6%

**BHASHYAM PUBLIC SCHOOL**  
**CLASS -10**  
2016-2017 / 9.8 CGPA

## SKILLS

### PROGRAMMING LANGUAGES

- Python, Java, C++, R
- HTML, CSS, Javascript

### LIBRARIES | FRAMEWORKS

- NodeJS, Express, Pandas, Numpy
- Matplotlib, streamlit, BootStrap

### TOOLS | PLATFORMS

- Github, MySQL, PyCharm, IntelliJ
- RStudio, IDEA, Jupyter Notebook

### DATABASE

- SQL, MongoDB

## COURSE WORK

- Data Structures and Algorithms
- Object Oriented Programming
- Internet and Web Programming
- Machine Learning
- Database Management Systems
- Operating Systems
- Software Engineering

## PROJECTS

**ONLINE DIAGRAMMATIC TOOL FOR FLOWCHARTS & DFD's**  
*Software Engineering | ( Dr. Swathi JN, Associate Professor, VIT Vellore )*  
Developed an online diagrammatic tool enabling real-time collaboration for creating flowcharts and data flow diagrams. Utilized technologies such as JavaScript, Node.js, Express.js, Socket.IO, MongoDB, and HTML/CSS.

### ONLINE CAR SHOWROOM WEBSITE

*Internet and Web programming | ( Dr. Lydia Jane , Professor, VIT Vellore )*  
Designed and developed a comprehensive web platform for car management, sales, and accessories using Node.js, Express.js, MongoDB, HTML, CSS, and Bootstrap. Streamlined user experience through responsive design and interactive interfaces.

### STOCK PRICE PREDICTION

*Artificial Intelligence | ( Dr. Rajakumar K, Professor, VIT Vellore )*  
Developed a stock price prediction application using machine learning techniques (Prophet) and Python libraries (Streamlit, yfinance, Pandas, Plotly) to forecast future stock prices, facilitating informed investment decision-making.

## RESEARCH WORK

### DEEP LEARNING & ENSEMBLES : LEATHER DEFECT DETECTION

Developed and implemented an ensemble model for leather defect identification by training the dataset with pre-trained models and selecting the best-performing ensemble model among four combinations. Integrated the model with a Flask backend, developed a user-friendly website, and implemented a RESTful API for seamless defect detection.

## CERTIFICATIONS

- Mastering DataStructures and Algorithms, Abdul Bari
- The complete Web Development Bootcamp, Dr.Angela Yu
- Algorithmic Toolbox, by University of California San Diego
- Introduction to TensorFlow for AI, ML, and DL, DeepLearning.AI
- Mathematics for Machine Learning: Linear Algebra, Imperial College London.

## ACHIEVEMENTS

- LEETCODE
  - 450+ Problems Solved
  - Under 80k rank
- JEE MAINS - 97.9 Percentile
- TS EAMCET - 1143 / 2.42 lakh