

# VEDANT TIWARI

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## SUMMARY

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Computer Science Student. Professional Aim: To strive to inculcate new skills and put existing ones to use so as to master myself in my field of work, contribute towards the betterment of the organisation and grow as a fresher.

## PROJECTS

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### Railway Ticket Booking System

- Java course mini-project. An UI based application was made which resembled the Indian Railway Ticket Booking System given the source and destination
- and number of tickets and trains available using JDBC.

### Document Editor

- Design Pattern course mini-project. Used various design patterns to make a document editor.
- It had features like formatting text, images etc.

### Library Management System

- Web Application which facilitates overall management of a library. Application has a role based Access Control, provides different functionalities to students and a librarian.
- Technology stack: FrontEnd: HTML , CSS, JS
- BackEnd: Mysql; Framework: Django(Python)

### Traffic Surveillance System

- Surveillance System using deep learning for traffic rule violation.
- Consisted of 4 modules
- Vehicle Speed Detection using dlib library
- Number plate recognition using openalpr api
- Accident Detection using Tensorflow object detection module
- Traffic Signal and Zebra Crossing violation using YOLOv3 model.

### Housing Price Prediction

- Dataset of Bangalore House Prices from Kaggle. Full Stack Data Science Project
- Python and Flask for backend and html and css for frontend development
- Data cleansing, Feature Engineering and model creation using python in jupyter notebook.
- LinearRegression and DecisionTreeRegression algorithms used for prediction.
- Deployment using Flask

## EDUCATION

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**Bachelor of Engineering**, Computer Science and Engineering  
Shri Ramdeobaba College of Engineering and Management

Jul 2016 - Jul 2020

**GPA: 7.53**

**Higher Secondary Certificate**, Science and Mathematics  
Taywade Junior College

Jul 2014 - Jul 2016

**GPA: 8.4**

**All India Secondary School Examination**,  
Modern School

Jun 2013 - May 2014

**GPA: 10**

## SKILLS

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**Development Environments:** VSCode , Netbeans, Anaconda

**Programming Languages:** C++ , Java, Python, SQL

**Operating Systems:** Windows , Linux

**Object Oriented Design Patterns:** Composite Pattern, Strategy Pattern, Decorator Pattern, Bridge Pattern, Command Pattern , Visitor Pattern

**Data Structures and Program Design:** Design and Analysis of Algorithms

**Database Management System:** MySQL, PL/SQL

**Machine Learning:** Supervised Learning Algorithms, Unsupervised Learning Algorithms , Neural Networks and Deep Learning, Data Mining and Warehousing

**Problem Solving and Competitive Programming:** Codechef, Leetcode , InterviewBit , Hackerrank

## INTERESTS

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- Reading Books
- Gyming
- Competitive Coding