

# SUJAL CHAVAN

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## EDUCATION

### Vishwakarma Institute of Information Technology, Pune

- BTech In Computer Science Engineering

2022 - 2025

9.07/10 CGPA

### Amrutvahini Polytechnic, Sangamner

- Diploma in Information Technology

2019 - 2022

91.63/100 PER

## WORK EXPERIENCE

### Software Developer Intern, HCL Technologies

2024- Present

- Developed C++ features for Camworks in SolidWorks, optimizing tool paths with Genetic Algorithms to improve machining efficiency.
- Collaborated on debugging and task management, ensuring smooth project delivery and maintaining best practices through code reviews.

### Java Development Intern, Innovatus Technologies

2022

- Crafted a Java full stack Online Mini Banking Software that increased user satisfaction
- Enhanced user experience with **HTML**, **CSS**, and **Bootstrap**, reducing bounce rate by 40% and increasing session duration by 20%. Successfully led a team of 4 engineers in the development of new product.

## PROJECT

### Customer Relationship Management System for Ergo Asia

[source code](#)

- Led a team in developing an **industrial project** Customer Relationship Management system for Ergo Asia, focusing on efficiency and innovation, demonstrating leadership and collaboration.
- Utilized **Django**, **MongoDB Atlas**, **Heroku**, and **AWS S3**, **REST API** to streamline order tracking, inventory management, and **real-time updates**, ensuring system accuracy and reliability.

### Splitting Littering Detection Through AI

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- Led team in creating real-time Machine Learning Model for Spitting and Littering Detection, emphasizing innovation and efficiency, showcasing leadership and collaboration.
- Utilized **Decision Tree Classifiers**, Convolutional Neural Networks (**CNNs**), and advanced **image processing** techniques to ensure accuracy and reliability in detection.

### Social Media Sentiment Analysis

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- Implemented a cutting-edge real-time Machine **Learning** model for **sentiment analysis**, proficient at discerning the emotional tone of text, including social media comments..
- Integrated cutting-edge pretrained **VEDER** and **RoBERTa** models, enhanced with **Lexicon dictionaries**, and seamlessly interfaced with the **Hugging Face API** for instant sentiment insights.

## TECHNICAL SKILLS

- Languages:** Python, Java, JavaScript
- Backend:** Django, Node.js, JSP
- Frontend:** React, Tailwind CSS, HTML, CSS, Bootstrap
- Clouds & Databases:** AWS, MySQL, MongoDB
- Developer Tools:** VS Code, Git, GitHub, Xcode.

## AWARDS

- Department Ranker at Amrutvahini polytechnic, Sangamner

2019 - 2022

## LEADERSHIP ROLES

- Design Head at Computer Society of India, VIIT
- Design Head at Institute Industry Interaction Cell, VIIT

## CERTIFICATIONS

- Meta's Django Web Framework Course
- Introduction to Machine Learning at Duke University