

# Zeel.D.Sheth

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## EDUCATION

### S.R.M Institute Of Science And Technology

Chennai, Tamil Nadu

*Bachelor Of Technology*

*Sep 2021 - Jun 2025*

- Cumulative GPA : **9.52/10.0**
- Relevant Coursework: Data Mining And Analytics, Foundation Of Analytics, Introduction To Machine Learning, Essentials In Cloud And Dev-Ops

## TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++
- **Data Science and Miscellaneous Technologies:** Numpy, Pandas, Scikit-Learn, Tensorflow, Keras, MySQL, Machine Learning, Artificial Intelligence, Matplotlib, Seaborn

## SCHOLASTIC ACHIEVEMENTS

- Achieved **9th position among 700 participating teams** in the internal hackathon. Engineered a **Cloudburst Prediction System** employing cutting-edge **AI/ML methodologies**. Fostered collaborative efforts within the team to strategize, execute, and deliver a compelling project presentation. Showcased adept technical acumen, and effective teamwork throughout the project lifecycle.
- **Awarded 3rd place** in the **Standard Chartered Hackathon competition**. Developed an innovative solution for **Online Video KYC** using **AI/ML technologies**. Collaborated with team members to ideate, develop, and present the project within the stipulated time frame. Implemented **Flutter framework for app development**. Demonstrated strong teamwork, and technical skills .

## PROJECTS

### Online Video KYC - Information Technology , Finance And Banking

*Mar 2024 - Apr 2024*

- Led the development of a prototype **Online Video KYC (Know Your Customer) solution**, using **Flutter** for app development to deliver a high-quality, cross-platform application for seamless user interaction.
- Implemented **advanced technologies** such as **blur detection and face detection** to ensure **accurate** and efficient identity verification processes
- Integrated **YOLO v3** model for **Aadhaar card verification**, leveraging its robust object detection capabilities to **verify customer credentials** with speed and precision.
- Collaborated with design teams using **Figma** to create an **intuitive UI/UX design**, providing a streamlined and engaging experience for **end users**.

### Cloud-Burst Prediction System - Disaster Management

*Sep 2023 - Dec 2023*

- Developed a comprehensive **Cloudburst Prediction System** to forecast and mitigate the impact of cloudburst events in vulnerable regions. This project combined advanced **machine learning models with web development and UI/UX design** to create a user-friendly platform for monitoring and **predicting cloudburst occurrences**.
- Employed multiple **machine learning models**, including **artificial neural networks (ANN)**, to analyze diverse datasets such as **meteorological data, topographical information, and historical cloudburst occurrences**. Evaluated the performance of **different models** to determine which provided the **most accurate predictions**.
- Utilized **HTML and CSS** for the development of a responsive and intuitive web application. The platform allows users to access **real-time data, forecasts, and risk maps**, supporting decision-making and **risk mitigation efforts**

### Housing Price Prediction - Real Estate

*Mar 2023 - May 2023*

- The **housing price prediction** model leverages a **rich dataset** with features such as **property location, square footage, number of bedrooms and bathrooms, year built, type of home, and amenities**. Additional factors such as **neighborhood crime rates, proximity to schools and transportation, and historical sales data** are also considered.
- The model uses **advanced machine learning algorithms** such as **linear regression, decision trees, or gradient boosting models** to predict housing prices accurately. These algorithms are chosen based on their performance and ability to handle large datasets with **multiple features**.