# ADITYA SAI

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## Education

**Vellore Institute of Technology**                                     Sep. 2021 – May 2025
*Bachelor of Technology in Computer Science*                                     *Chennai, Tamil Nadu*

**TI Mat Hr Sec School**                                                 April. 2007 – April 2021
*High School*                                                                    *Chennai, Tamil Nadu*

## Technical Skills

**Languages**: Python, C/C++, Java, HTML/CSS/JS, SQL
**Tools**: Git, Tableau, Powerbi, Excel, Linux
**Technologies/Frameworks**: PySpark, Pytorch, Scikit-learn, Django, Reactjs/Nextjs

## Experience

**Caliber Interconnect**                                                  Aug 2023 – Sept 2023
*Development Intern*                                                              *Coimbatore, Tamil Nadu*
- Independently engineered the initial prototype of a web-based AGV (Automated Guided Vehicle) controller.
- Constructed lightweight services for ROS2 (Robot Operating System 2) utilizing C++.
- Designed YOLO (You Only Look Once) models for applications such as vehicle safety zone monitoring and employee productivity tracking.

**University of Auckland**                                               July 2023 – August 2023
*Consulting Intern*                                                              *Auckland, New Zealand*
- Collaborated with a global team to develop and implement a comprehensive solution.
- Grasped the functionality and intricacies of the Clavin NERD Geoparser.
- Presented a research paper with my team, highlighting the potential enhancements in performance achievable through the implementation of RNN .

**Positive Integers**                                                     Sept 2023 – Nov 2023
*Data Science Intern*                                                            *Chennai, Tamil Nadu*
- Collaborated on a time-series model-based algorithm for commodity price prediction.
- Developed a demonstrative Market Mix Modeling (MMM) model and authored internal documentation for its implementation.
- Developed a trend analysis model using ARIMA.
- Designed a dashboard and presentation for MGNREGA data.

## Projects

**Agrotis** : Farmer-expert interaction platform with an integrated disease identifier model
**Fitnut** : ML powered fitness app that gamifies workouts and offers tips for posture improvement
**UML Diagram Generator** : Flask based website to generate UML diagrams based on your description
**Automated form digitizer** : OCR tool powered by LLM for digitizing handwritten forms

## Leadership / Extracurricular

**Thamizh Mandram**                                                      Oct 2021 – Present
*Marketing Lead*                                                                 *VITC*
- Actively engaged in the development of a magazine platform tailored for student contributions.
- Assumed responsibility for marketing events, strategizing promotion efforts across the campus community and occasionally extending outreach beyond campus boundaries.

**Cyscom**                                                               Mar 2022 – Sept 2023
*Interim Dev Lead*                                                               *VITC*
- Responsible for overseeing day-to-day operations within the development department during the tenure.
- Collaborated with a team to develop SEO-friendly and optimized websites, utilizing various frameworks for events.

## Certifications

**Advanced CPP**                                                                 Feb 2022
*Indian Institute of Technology Bombay*

**Advanced Learning Algorithms**                                                 Sept 2022
*Deeplearning.AI*