

# Ramana Prasaant

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## EDUCATION

### Vellore Institute of Technology, Vellore

September 2022–July 2026

- Bachelors of Technology(B.Tech)in ComputerScience & Engineering
- | Data structures and Algorithms| Software Design| Computer Architecture and Organization |
- | Design And Analysis of Algorithm| Discrete Mathematics | Computer Networks | Linux env. |

### Bharathi Vidhya Bhavan, Erode

June 2014–May 2022

- HighSchool | PCM - Computer Science |

## TECHNICAL SKILLS

**Languages** : Python, Java, C, C++, JavaScript, Flutter, Go, HTML, CSS, MySQL, R, MATLAB, swift

**Frameworks** : Flutter, Swift, Streamlit, ReactJS, NextJS, React Native, TailwindCSS, Node.js

**Cloud and Security Tools** : AWS

**Machine Learning & Data Science** : Natural Language Processing, TensorFlow, Computer Vision, OpenCV, MATLAB

**Other** : Git, Assembly, Verilog, Firebase, Web Scrapping for information retrieval

## EXPERIENCE & EXTRACURRICULAR

### App Dev Intern |Jurident -Valsco Tech

January 2024 - April 2024

- Worked on Cross-platfrom frame work and optimized Responsive-ness for devices with different Display aspect ratio
- Improved UI which made it more appealing
- Gained valuable insights in to a technological start up culture.
- Contributed to issues faced during Pubilshing app in Playstore and App Store

### Technical core | ACM -VIT Chapter

December 2022 - Present

- Gained experience in collaborative development practices.
- Designed and created the user interface based on provided designs.
- Implemented user authentication to ensure secure access for participants.
- Deliver high-quality, robust production code for a diverse array of projects for the community we are sourrounded by

### Chief Technical Officer | Reverse Innovations

January 2024 - Present

- Lead the development and implementation of the company's technology roadmap.
- Developed Project for a construction company to manage Logistics by guiding interns
- Drive innovation and adoption of new technologies to enhance product offerings.
- Create and communicate a clear vision and strategy for the product creation.

### Software and AI engineer |Team Levitate Hyperloop -VIT Student Team

September 2024-Present

- Led and managed a comprehensive report analyzing the economic-social impact and financials of Hyperloop, proposed for the Global Hyperloop Competition organized by IIT Madras.
- Developing autonomous Hyperloop pod operations through efficient pod scheduling and network optimization
- Designed and implemented a control panel and error code system for real-time diagnostics and fault detection, enhancing the
- Utilized Raspberry Pi, FreeRTOS, ESP32, and other embedded systems to enhance control, efficiency and autonomy

## PROJECTS

### Cryptic Hunt |Flutter, Firebase, Dart

June 2023

- A treasure-hunt based event which requires participants to solve cryptography based questions within a limited time.The application involved implementing authentication, notifications with the backend and creating UI based on designs. It introduced me to collaborative development practices using Git for version control.

### Find-it |Flutter, Firebase, Dart

October 2023

- Designed and developed an application to display available classrooms across the campus, facilitating convenient breaks between classes without the need to return to the hostel. Completed within a short timeframe, focusing on enhancing front-end development skills.

### Study-Easy |Streamlit, Python, Jupyter Notebook

January 2024

- Study-Easy is a combination of two popular language models that enable summarization and generate question answer pairs. These models are connected by a backend that automatically converts your documents (pdf,pptx) into text for the models to run on.

### Github-Painter |Javascript, Next js | (Open Source Contribution)

June 2024

- The GitHub Painter is a tool that enables users to create and draw custom patterns on their GitHub contribution graph. The project provides scripts to help users manipulate their contribution graph, making it possible to form different shapes and designs using commit history.

## AWARDS AND CERTIFICATIONS

**Data Analytics** | Coursera By Google | **AWS -Cloud Practitioner** | By AWS | **MATLAB Onramp** | Mathworks

**NCC** - Best cadet Award | **Swimming** - Achieved in State level competitions | **Nominated** for Best student of the year (2022)For excellence in character And Achievements in Multiple Fields |