

# RUDRARAJU VIGNESH VARMA

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vignesh-varma-rudraraju

https://github.com/vignesh22172

## EDUCATION

**Amrita Vishwa Vidyapeetham**

06 2022 – 06 2026(Expected)

Bachelor of Technology in Computer Science and Engineering - **CGPA - 7.69**

Chennai, India

**Sri Chaitanya junior College**

05 2020 – 05 2022

Intermediate Education - **Percentage – 91%**

Vizag, India

**Sri Chaitanya School**

06 2019 – 03 2020

Secondary School Education - **CGPA - 10.0**

Rajam, India

## COURSEWORK / SKILLS

- |                                     |                                  |                |                       |
|-------------------------------------|----------------------------------|----------------|-----------------------|
| • Computer Networks                 | • Machine Learning               | • OOPS Concept | • Python              |
| • Database Management System (DBMS) | • Data Structures and Algorithms | • SQL          | • C and Java (basics) |

## PROJECTS

**Farmers Management System** / Python , HTML , JavaScript , MySQL

- **Developed** a full-stack system using Python and C for backend, HTML/CSS/JavaScript for frontend, and MySQL for data management.
- **Implemented** Django and Flask frameworks for seamless web development and API handling.
- **Utilized** Git for version control and Docker for containerization to streamline deployment and ensure consistency across environments

**E-NAM Agriculture App** | Python, Data Visualization, Web Development

- Developed a full-fledged application to facilitate agricultural trade by providing real-time and historical price data for various commodities.
- Implemented data visualization and analytics features to help farmers and traders make informed market decisions.
- Integrated user-friendly interfaces and backend functionalities for seamless data access and interaction.

**Sign Language Translator** | Python, Machine Learning, Random Forest

- Built a machine learning-based system to translate American Sign Language (ASL) gestures into text using the Random Forest algorithm.
- Implemented real-time gesture recognition to improve accessibility for individuals with hearing impairments.

## TECHNICAL SKILLS

**Languages:** Python, Java(Basic proficiency), c(Basic proficiency),SQL,

**Developer Tools:** VS Code, MySQL Workbench, eclipse IDE , Jupyter Notebook

**Technologies/Frameworks:** Linux(Basic proficiency), Hadoop, Junit

## RELEVANT EXPERIENCES

**Hackathon Participant, IIT Madras(Jan 2025):** Solved problem statements on Data Structures and Algorithms.

## CERTIFICATIONS

- **The Complete Python Pro Bootcamp** - Udemy
- **Machine Learning, Data Science, and Generative AI with Python** - Udemy      3 October 2024