

# SAI VARDHAN REVURE

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## Education

### Vellore Institute of Technology (VIT-AP)

B.TECH - Computer Science and Engineering | CGPA: 8.01

December 2021 – November 2025

Amaravati, Andhra Pradesh

### Sri Chaithanya Junior College

Class XII - APBIE (AP Board of Intermediate Education) | Percentage: 90.2

April 2019 – July 2021

Tirupati, Andhra Pradesh

### B.C.M High School

Class X - BSEAP (Board of Secondary Education of AP) | CGPA: 9.7

June 2018 – March 2019

Tirupati, Andhra Pradesh

## Work Experience

### Smart Internz | Intern

July 2024 - December 2024

- Worked on **Gold Market Sentiment Analysis using NLP and Machine Learning**, developing and deploying ML models (SVM, RNN) for real-time sentiment analysis of financial news and social media data.
- Implemented data preprocessing and feature extraction techniques such as tokenization, stop-word removal, and **TF-IDF** to improve model accuracy.
- Automated the data collection and prediction process, improving **workflow efficiency by 30%**.
- Built interactive data-visualization dashboards to deliver actionable insights, improving **stakeholder decision-making** efficiency.

## Technical Skills

**Programming Languages:** Java, Python, JavaScript

**Web Technologies:** HTML, CSS

**Frameworks & Libraries:** Spring, Hibernate

**Database & Query Language:** MySQL, SQL

**Core Competencies:** DSA, Object-Oriented Programming, Machine Learning, Artificial Intelligence

**Tools & Platforms:** VS Code, Eclipse, Google Colab, Linux, Git, GitHub

**Soft Skills:** Communication, Teamwork, Problem-Solving, Adaptability, Time Management

## Projects

### Brain Tumor Detection using Deep Learning Models *Python & Libraries, Deep Learning Models*

May 2025

- Developed a **Convolutional Neural Network** to accurately detect brain tumors from MRI images, achieving up to 98.67% validation accuracy.
- Preprocessed and labeled MRI scan datasets for binary classification as **tumor and no tumor**, including resizing, normalization, and data splitting.
- Evaluated model performance using metrics such as accuracy, loss, and confusion matrix, and explored enhancements using **ResNet and EfficientNet** architectures.

### Online Train Ticket Reservation System *Java, SQL, HTML, CSS, Bootstrap, JavaScript*

December 2024

- Developed a full-stack web-based Train Ticket Reservation System using Java and SQL, enabling users to search 100+ trains, check seat availability, and **book tickets online** with 99% data accuracy.
- Implemented secure user and admin modules using **Servlets and SQL**, achieving 100% authentication success rate, managing 500+ user profiles, and integrating a simulated payment gateway for online transactions.
- Designed and deployed a responsive UI with HTML, CSS, and Bootstrap, improving page load **speed by 30%**, and used Maven for build automation and Git for version control.

## Certifications

### Artificial Intelligence and Machine Learning Powered by Google Developers

Online

SmartInternz

Aug 2023 - Nov 2023

### Programming Essentials in Python

Online

Cisco Networking Academy

Jan 2024 - Mar 2024

### Java Fullstack

Offline

Jsiders

Mar 2024 - Oct 2024

### Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate

Online

Oracle

June 2025 - Aug 2025