

# Om Srivastava

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## Professional Summary

Computer Science and Engineering (Data Science) student at VIT Chennai with strong foundations in algorithms, machine learning, and software development. Experienced in NLP, computer vision, and predictive modeling with a focus on scalable AI-driven systems.

## Projects

### INoSTORS: AI-Powered Stock Trading & Sentiment Analysis Platform

Live — GitHub

*Python, NLP, Machine Learning*

- Built an AI-driven platform for real-time stock analysis using sentiment analysis and regression models.
- Processed financial news and social media data to support data-driven trading decisions.

### Heart Disease Prediction Web Application

GitHub

*Python, Machine Learning, Flask*

- Developed an ML-based web app to predict heart disease risk from clinical parameters.
- Achieved approximately **88.5% prediction accuracy** on benchmark datasets.

### Waste Classification Using CNNs

GitHub

*Python, TensorFlow, CNN*

- Built a CNN-based image classification system for waste segregation.
- Achieved a **fusion model accuracy of 75.35%** on evaluation data.

### AI-Driven Bio-Spectral Holography for Dead Body Detection in CSSR

*Research & Patent-Oriented Project*

- Proposed a non-invasive AI system using biochemical decomposition markers and multi-spectral sensing for dead body detection.
- Introduced AI-based molecular discrimination and depth-aware 3D visualization for rescue planning.

## Education

<b>Vellore Institute of Technology, Chennai</b>	2023 – Present
B.Tech in Computer Science & Engineering (Data Science)	CGPA: <b>9.00</b>
<b>Regency Public School, Sitapur</b>	Class XII – ISC 91.6%
<b>Regency Public School, Sitapur</b>	Class X – ICSE 90.33%

## Certifications

• <b>Introduction to Machine Learning</b> – Kaggle Learn (Certificate)	Sep 2025
• <b>CODEZILLA Hackathon</b> – SCOPE, VIT Chennai (Certificate)	Aug 2025
• <b>HACKSTAR Workshop</b> – ACM Women Chapter, VIT Chennai (Certificate)	Sep 2025
• <b>24-Hour Vegathon Workshop (VEGA Processors &amp; Ecosystem)</b> – IEEE SB, VIT Chennai (Certificate)	Oct 2024

## Technical Skills

**Programming Languages:** Python, C, C++, Java, R, JavaScript, SQL

**Machine Learning & AI:** Supervised & Unsupervised Learning, CNNs, NLP, Feature Engineering, Model Evaluation

**Frameworks & Libraries:** TensorFlow, scikit-learn, Keras, React, Node.js

**Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Tableau

**Web & Scripting:** HTML, CSS, Shell Scripting

**Databases:** MySQL, PostgreSQL

**Tools & Platforms:** Git, RStudio, Linux, AWS, Windows, macOS