

# Vankadara Venkata Sai Dinesh

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## EDUCATION

<b>Sreenivasa Institue Of Technology And Management And Studies, Chittoor.</b> <i>B.Tech-Computer Science And Artificial Intelligence CGPA-7.3</i>	2021 – 2025
<b>Sri Chaitanya Junior College, Vijayawada.</b> <i>Intermediate-M.P.C -89.8%</i>	2019– 2021
<b>ST Peters High School, Guntakal.</b> <i>SSC-88%</i>	2018 – 2019

## TECHNICALSKILLS

**Programming Language:** Python

**Core Python Concepts:** OOPs (Inheritance, Polymorphism, Abstraction, Encapsulation), Exception Handling, Framework, File Handling.

**Frameworks:** Tableau, Django, Numpy, Opencv

**Database:** Oracle SQL, MySQL

**Web Technologies:** HTML, CSS, JavaScript

**Tools & Technologies:** IntelliJ IDEA, Git, Postman

**Version Control Systems:** Git, GitHub.

## PROJECTS

### YOLOv8 Face Detection and Cropping Tool using OpenCV and Python |

- Built a custom application leveraging the YOLOv8 model for high-accuracy real-time face detection using live webcam feed and static images.
- Integrated user-controlled face selection and cropping functionality with dynamic image capture, annotation, and preview using OpenCV.
- Utilized a lightweight YOLOv8 variant (yolov8s-face-lindevs.pt) ensuring fast inference while maintaining detection precision, suitable for both desktop and embedded use cases.

### APPROACH DETECTION OF LUNG CANCER USING HISTOPATHOLOGY BASED ON CNN |

- Developed a CNN-based classification model that achieved **92% accuracy** in detecting high-risk lung cancer cases from biopsy images.
- Created an interactive web interface using HTML5, CSS3, and JavaScript to visualize diagnostic results, reducing report generation time by **30%**.

## INTERNSHIP

### **Excel R Technologies, Hyderabad | [LINK](#)**

Jan2025-Mar2025

Artificial Intelligence & Machine Learning|

- Built a machine learning model predicting COVID-19 infection with **87% accuracy**, leveraging logistic regression and random forest algorithms.
- Maintained **100+GitHub commits**, Integrating responsive design and backend services for authentication and database management.

### **Intern – Full Stack Java Developer |** JSpiders Training Institute, [Bangalore] **Jan 2025 – Jul 2025**

- Completed an intensive full stack Java development internship covering **Core python, Power BI, Django**
- Developed end-to-end **web applications** using **HTML, CSS, JavaScript, Bootstrap, and React** for frontend and **Python + Django + MySQL** for backend.
- Gained hands-on experience in **MVC architecture, REST APIs, and database integration.**

- Collaborated with a team on building **mini and major projects**, following **Agile methodologies** and version control (Git).
- Participated in regular code reviews, debugging sessions, and mock interviews to improve technical and soft skills.

## **CERTIFICATES**

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- Introduction to Internet of Things | [CERTIFICATE](#)
- Introduction to Data Science Foundations | [| CERTIFICATE](#)
- Data Analytics Basics for Everyone | [CERTIFICATE](#)
- Deep Learning with Python and Py Torch | [CERTIFICATE](#)

## **VOLUNTEER EXPERIENCE**

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- **Coordinated** blood donation drives in collaboration with NSS, fostering community engagement.
- **Contributed** to government school beautification projects as a member of Youth for Parivartan, enhancing learning environments.