Vankadara Venkata Sai Dinesh

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EDUCATION

Sreenivasa Institue Of Technology And Management And Studies, Chittoor. 2021 – 2025
B.Tech-Computer Science And Artificial Intelligence **CGPA–7.3**

Sri Chaitanya Junior College, Vijayawada. 2019– 2021
*Intermediate-M.P.C -***89.8%**

ST Peters High School, Guntakal. 2018 – 2019
*SSC–***88%**

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

DEEP LEARNING SYSTEM FOR FIRE DETECTION AND ALERTS USING YOLO |
- Designed and implemented a YOLO-based fire detection system achieving **80% real-time detection accuracy** for video surveillance.
- Integrated OpenCV to process live camera feeds, reducing manual monitoring time by **40%**.
- Trained the model on a custom dataset, improving detection precision across diverse environments by **25%**.

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

- **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

- **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.