VOODY KALPESH RAO

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ABOUT ME

I am a Computer Science and Mathematics student passionate about Machine Learning, AI, and Astronomy. I'm driven by a curiosity to explore the intersection of AI and space, and I have skills in coding, data analysis, and model development. I aim to create intelligent systems that evolve and contribute to scientific advancements.

EDUCATION

2022 - 2026
NSRIT College
Bachelor of computer science
CGPA: 8.16

2020 - 2022
Sri Chaitanya junior college
Intermediate
Percentage: 78%

2020
Sri Chaitanya techno school
SSC
Grade: 9.8

PROJECTS EXPERIENCE

VizX– Intelligent Data Extraction from Images to Excel

Tech Stack: Python, TensorFlow, OpenCV, Pandas, OCR, Deep Learning, Computer Vision

- Developed an AI-based tool that reads structured tabular data from images (invoices, bills, reports) and exports it directly into organized Excel sheets.
- Designed and trained an Optical Character Recognition (OCR) pipeline using Python, TensorFlow, and OpenCV to detect and recognize text and tables

StellarNet – Star Type Classification Using Machine Learning

Tech Stack: Python, Scikit-learn, Pandas, Matplotlib, Jupyter Notebook

- Developed an ML pipeline to classify stars into types (White Dwarf, Red Giant) based on astrophysical parameters.
- Achieved 90%+ accuracy using Decision Trees; visualized feature importances.

INTERNSHIP EXPERIENCE

Machine learning intern – Demy Software Solutions

6 June 2024 – 6 July 2024 | On-site

- Developed a crop yield prediction model using weather and soil features.
- Applied regression techniques (Random Forest, Linear Regression) with R^2 score of 0.85
- Gained hands-on experience in ML pipelines, visualization, and performance tuning.
- Tools: Python, Scikit-learn, Pandas, Matplotlib

SKILLS

- **Languages**: Python, C , Java, SQL
- **Libraries/Frameworks**: Scikit-learn, TensorFlow, OpenCV, Pandas, NumPy
- **Tools**: Jupyter, Git, GitHub, VS Code, Colab
- **Concepts**: Supervised Learning, Classification, Data Preprocessing, Astronomy Data Analysis