

Nagendra Venkata Sai Parthamsetti

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SKILLS

- **Languages:** Python, Java, JavaScript
- **Frameworks:** HTML and CSS, Django, Flask
- **Tools/Platforms:** MySQL, MongoDB
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

PROJECTS

Email Spam Detection using ML Algorithms.

- Technical Environment: Python |NumPy |Pandas |Matplotlib |Seaborn |Scikit-learn.
 - Developed a spam email classifier using datasets like the Spam Assassin Enron Dataset.
 - Preprocessed text data, implemented a Random Forest model, and optimized its hyperparameters with a Genetic Algorithm to enhance accuracy.
- March2024

Smart Traffic Monitoring & Analysis (MATLAB + TensorFlow / PyTorch)

- Objective: BuildanAI-powered trafficsurveillance systemthatdetectsvehicles, classifiesthem, and monitors congestion
 - Trainanobject detectionmodel(YOLO, Faster R-CNN,etc.)usingTensorFlow/PyTorch
 - UseMATLABforanalyzingvehiclespeed, lanetracking,andtrafficflow.
- December2024

CERTIFICATES

- Python Essentials February 2025
- IntroductiontoDataScienceinPython January2025
- ChatGPT AdvancedDataAnalysis April2024
- SoftwareEngineering: Implementation and Testing May2024

ACHIEVEMENTS

- President of the Student Council, leading a team of 15 to organize campus-wide events and improve student engagement by 30%
- Captain of the college volleyball team; led the team to **twoconsecutive championships**

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.2** August 2022
- **Aditya Junior College** Amalapuram,AndhraPradesh
Intermediate; **Percentage: 61%** April 2020 - March 2022
- **Aditya High School** Amalapuram, Andhra Pradesh
Matriculation; **Percentage: 91%** April 2019 - March 2020