

# Amgoth Srivasu

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## OBJECTIVE

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AI/ML enthusiast with hands-on experience in machine learning, deep learning, and NLP projects. Strong foundation in Machine Learning, Natural Language Processing (NLP), Deep Learning, and Prompt Engineering. Proficient in Python, SQL. Data analytics and model deployment with a passion for solving real-world problems using AI..

## EDUCATION

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**Puducherry Technological University, Puducherry**

May 2024

*B.Tech. Computer Science And Engineering*

*CGPA: 6.7/10.0*

## COURSEWORK

**Courses:** Computer Architecture, Learning Algorithms, Computational Theory, Natural Language Processing (NLP), Machine Learning, Statistics / Probability, Deep Learning.

## SKILLS

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**Languages:** Python, SQL.

**AI & Data Science :** Machine Learning, Deep Learning, NLP, Prompt Engineering, Data Analytics, Predictive Modeling, Statistical Analysis, Streamlit, Data Visualization.

**Tools:** Git, VS Code, Google Colab, Jupyter Notebook

**Libraries:** TensorFlow, Scikit-learn, Pandas, NumPy, NLTK, OpenCV, Matplotlib, Seaborn

## PROJECTS

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**License Plate Detection** | Python, TensorFlow, OpenCV, tesseract OCR

Mar. 2024

- Built a license plate recognition model using the CCPD dataset and Tesseract OCR
- Applied image preprocessing and OCR techniques to localize and extract vehicle numbers.
- Improved recognition accuracy through model tuning and data augmentation

**Sentimental Analysis** | Python, Pandas, Seaborn, Machine Learning, nltk, sklearn, NLP

Feb 2025

- Performed end-to-end sentiment analysis on the IMDB movie review dataset.
- Implemented comprehensive data cleaning and preprocessing techniques, including text normalization, tokenization, and stop-word removal, to prepare the dataset for model training.
- Built and trained a machine learning model to classify movie reviews as positive or negative.
- Achieved a classification accuracy of 70% in predicting sentiment

**Flight Price Prediction** | ML, Python, Kaggle

Dec. 2024

- Developed a flight price Prediction model using [Linear Regression]
- Implemented time-series analysis techniques to capture temporal patterns in flight pricing
- Trained and developed an model that can predict the flight prices from some required features(parameters)
- Implemented feature engineering techniques to extract relevant features from flight data

## EXPERIENCE

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**Machine Learning Intern** | *Member*

June 2023 – Aug 2023

CodePeak IT Ventures

- Developed a Random Forest-based intrusion detection model to identify harmful web links
- Implemented signature-based techniques for pattern recognition in network traffic.
- Collaborated in a team to improve detection accuracy and reduce false positives by 5%
- We used signature-based method to identify all the hidden Malicious patterns or "Signatures" in network traffic . It's effective against known attacks but struggles with unknown threats