Harsha Sai Gade

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EDUCATION

Indiana University — Bloomington, IN
Masters of Science in Data Science 3.9/4 — *Aug 2022 – May 2024*

Vellore Institure of Technology, Amaravati — Amaravati, India
Bachelor of technology in Computer Science with specialisation in Data Analytics 3.81/4 — *June. 2018 – May 2022*

EXPERIENCE

Software Development Intern — May 2021 – Dec 2021
Grozerys.com — *Hyderabad, India*
- Created and maintained Database System for an e-commerce website using Javascript, php, flask and MYSQL.
- Collected and analysed data to promote better combination of products based on past orders by using association mining. Helped in better recommendation of products to the user rather than displaying random recommendations.

PROJECTS

Pneumonia Detection using Deep Learning | *Python, numpy, pandas, CNN* — June 2020 – Dec 2020
- Built a deep learning model using a Sequential CNN, keras and tensorflow, that recognises if a person has pneumonia depending on his X-ray.
- Accuracy rate of 87.9 was obtained with a test loss of 0.11.

Semantic Analysis of Emotions for Online learning environment | *RNN, LSTM* — Jan 2021 – May 2021
- Built a Machine learning methods to automatically identify different types student's emotions on different ways of teaching and the topics that are taught.
- Average precision of 89 and recall score of 91 was obtained.

Youtube video categorization | *Classification Algorithms* — Sept 2022 – Dec 2022
- Exploratory data analysis and Pre processing was done and few classification models were built, validated and tested.
- A weighed average precision of 90 was obtained. Helped learn about the classification models.

Vehicle detection in Video Data | *Python, openCV* — May 2021 – Dec 2021
- Performed moving object detection in Video using various techniques like object detection and frame differencing.
- Gained fair knowledge about openCV and its applications.

Predicting weather using Time series analysis | *Python, Time Series Analysis* — May 2021 – Dec 2021
- Predicting weather over the next year given the data of weather over the past centuries.
- Random forest regressor model was used for good performance.

TECHNICAL SKILLS

Languages: Java, Python, SQL (MySQL), JavaScript, HTML/CSS, R, php
Frameworks: Node.js, Flask, React, WordPress
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Eclipse
Libraries: pandas, NumPy, Matplotlib, sklearn, keras

CERTIFICATES

- Machine Learning from Stanford, Coursera.
- Deep Learning.AI by Andrew Nj, Coursera.
- Google Data Analytics Professional Certificate.

ACHIEVEMENTS AND ORGANISATIONS

- 4th place among 300 engineering clinics projects, VIT-AP.
- Organiser, Computer Society of India, VIT-AP.
- Organiser, Open source club, VIT-AP.