Anubothula Hema Priya

Bachelor of Technology
in Mathematics and Computing
Indian Institute Of Technology, Ropar

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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	7.78 (Till 7th Sem)	2020-2024
Senior Secondary	State Board of Secondary Education, Telangana	98.4%	2019
Secondary	Central Board of Secondary Education	10	2017

EXPERIENCE

- **Quiet Loud Technologies Ltd** *May 2023 - July 2023*
  AI Intern Dubai
  − Researched event planning websites and **chatbots** to guide project direction.
  − Leveraged web scraping techniques, including **Beautiful Soup** and **Chrome Driver**, to extract valuable data from various websites.
  − Selected **RASA** framework for efficient chatbot development.

PROJECTS

- **Face mask detection**
  Artificial Intelligence with Python **Github**
  * Developed a **Convolutional Neural Network** (CNN) model for mask detection in images.
  * Conducted image pre-processing and utilized a sequential model for accuracy.
  * Proficient in **Python**, **Numpy**, **Pandas**, **Tensorflow**, **Keras**, and neural network model development for machine learning.

- **Predicting the bankruptcy using Logistic Regression, LDA and QDA**
  Foundations of Data Science **Github**
  * Conducted **Exploratory Data Analysis** (EDA), summarizing data and analyzing feature correlations.
  * Predicted bankruptcy using **Logistic Regression**, **LDA**, and **QDA** models.
  * Evaluated model performance through ROC curve analysis and AUC values.

- **Speech Emotion Detection**
  Machine Learning **Github**
  * Extracted audio features from a diverse set of audio files using **Librosa** and **SciPy**.
  * Visualized audio signals using basic plots and spectrograms, for preprocessing used techniques like envelope masking.
  * Developed and trained a **Multi-Layer Perceptron** (MLP) model for **emotion recognition** of speech.

TECHNICAL SKILLS

−**Programming Languages**: C/C++, Python
−**Developer Tools**: VS Code, Anaconda, Google Colab, MATLAB
−**Technologies**/**Frameworks**/**Skills**: Github, Overleaf, Tensorflow, Keras, RASA

KEY COURSES TAKEN

−**CSE**: Algorithm & Data Structure, Analysis and Design of Algorithms.
−**Maths**: Numerical Analysis, Calculus, Probability and Statistics, Discrete Math, Theory of Computation, Applied Linear Algebra, Foundations of Data Science, Machine Learning.
−**Online Course**: Artificial Intelligence with Python.

POSITIONS OF RESPONSIBILITY

- **Publicity Team Coordinator**, Zeitgeist'21 (Fest), IIT Ropar *Feb. 2021 - Apr. 2021*
- **Mentor**, Institute Student Mentorship Programme(ISMP), IIT Ropar *Oct. 2021 - Aug. 2022*
- **Student Representative**, Career Development and Placement Cell, IIT Ropar *Dec. 2021 - Dec. 2022*

MISCELLANEOUS

- **Certificate of Participation**, Jumpstart, **Publicis Sapient** *2022*
- **Runner-up in Interyear Volleyball event**, 2nd year Volleyball team, IIT Ropar *2022*
- **Bagged 3rd position in Case study competition**, General Championship, Fincom Club, IIT Ropar *2021*