Vishwambhara R Hebbalalu

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My Website

Profile

I am Vishwambhara R Hebbalalu, a second-year Computer Science student at PES University, with a strong interest in machine learning, linguistics, and artificial intelligence.

I've worked on small-scale proof-of-concept projects in these domains, and I'm eager to explore how intelligent perception and decision-making can be applied to real-life scenarios that demand the same.

Beyond tech, I'm a trained Carnatic classical musician (17+ years), and I write short stories and blog posts. I believe this blend of structured rigor and creative thinking allows me to approach technical challenges with both discipline and fresh perspective.

I'm a quick learner, and I try my best to learn something that I don't know or find difficult to understand. I'm eternally curious about both the latest in technology and the timelessness of literature and art.

Education

PES University

Bachelor of Technology in Computer Science and Engineering

2023 - present

IIT Madras

Bachelor of Science in Data Science

2023 - present

Experience

Research Intern | Saraswatam (June-August 2025)

Engaged in a research-driven internship in computational linguistics with a focus on classical Indic languages. Contributed to the design and implementation of methodologies for text digitization and interlingual transformation. The work emphasized linguistic accuracy, script-level processing, and the preservation of philological structure.

Skills

- Programming Languages :
  - Python
  - C
  - Verilog
  - JavaScript
  - HTML
  - CSS
  - Assembly
  - MERN Stack

- Machine Learning:
  - *Fundamentals of Reinforcement Learning* organized by PESU I/O
  - *Artificial Intelligence and Machine Learning* organized by Pravega, IISc
  - *Foundational Course in Data Science* by IIT Madras
- Part of Web Development team at GCube, game development club of PESU

Projects

- *Stock Prediction and Analysis* - Project on stock market predictions while using YFinance and NewsAPI on searching the given Ticker name, i.e the three/four letter stock-listed name of public companies. I have attempted to use a Fusion layer to combine the news data with the existing stock market dataset that the ML model has been trained on, to give essentially a more refined and reasonable share price that is reflective of real-world happenings. I'm currently working on the implementation of a Bayesian Neural Network for error prediction, as well as a better trained ML model for the stock prediction itself. (Ongoing)
- *Sentiment Analysis Extension* - Chrome extension to analyze the sentiment of a given webpage and provide data on the bias of the reporting, on the sentiment of the data, and return statements about the political leaning of the news report.
- *AI Chatbot (Winning Project at Terrathon 4.0)* - We made an AI chatbot for farmers, supplied in the backend by 5 ML models, each supported by data of soil parameters, plant disease and weed recognition, price predictions. While most of the ML work was done by our teammate, I provided the necessary datasets for training the models. I web-scraped the data from multiple agricultural portals and cleaned it before training the ML models. I also made the frontend along with my teammate.
- *Clickbait Detector* - Chrome extension for detecting clickbait and hyper-sensationalized news on news fora and other such websites
- *Kalidasa* - Web application for the works of Kalidasa, the great Sanskrit poet.
- *Tapper* - My first iOS application, as of now unpublished due to monetary constraints
- *Blogger Word Counter* - Finds the total word count of a post that is currently being edited in Blogger.com.

Awards (Both technical and non-technical)

- Team awarded 1st Prize in Terrathon 4.0, a 24hr hackathon organized by The Alcoding Club and The Changemakers' Society, sponsored by Cisco and KarLex AI.
- Awarded best short story by the Chinmaya Mission in the Wordscapes competition, about the Ramayana.
- First Prize in Space Quiz organized by Equinox PESU.