

ARYAN S PILLAI

Vellore Institute of Technology, Vellore

CSE WITH SPECIALIZATION IN BUSINESS SYSTEMS

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EXPERIENCE

Brainlox

[March 2023 - Present]

AI and Marketing research

- Developed and implemented custom chatbots for sales and customer service using OpenAI, Langchain and Azure services.
- Researched and explored the application of LLMs, OpenAI API, Langchain, and Azure services for marketing purposes.
- Conducted data analysis to identify effective strategies for driving customers to different channels.
- Utilized data analysis techniques to support sales efforts and optimize performance.
- Generated compelling marketing content using various AI tools.

National University of Singapore(NUS)

[December 2022]

Data Analytics using Deep Learning

Completed a comprehensive course related to data analytics and deep learning under reputed professors at NUS.

Hewlett Packard Enterprise(HPE)

[December 2022]

Deep Learning with HPE

Completed HPE seminars for azure deployment and deployed a live project on azure cloud.

Using AI Models for Market Segmentation

[August 2022 - September 2022]

Researched AI techniques that are currently being used to conduct market segmentation by businesses and compared algorithms including Biclustering, SKC, Kmeans algorithms to see how the results differ develop a better algorithm.

PROJECTS

Eduguide - Official ChatGPT4 Plugin (Verified by OpenAI)

- Developed and implemented the Eduguide plugin, a ChatGPT4-based tool for finding the latest information on college admissions.
- Utilized OpenAI API, Langchain, and Azure services to create an efficient and accurate information retrieval system.

PDF GPT - Conversational Chatbot for PDF Documents

- Developed a PDF GPT project with the ability to create custom chatbots for any PDF document.
- Project Link: <https://pdfgptaryan.azurewebsites.net/>
- Implemented an interactive conversational interface for users to interact with PDF documents, particularly Google Docs, using ChatGPT4.
- Created an Unverified plugin that can be directly used on ChatGPT4 to facilitate conversations with the document.

- Leveraged OpenAI API, Langchain, and Azure services to build and deploy the model for efficient and reliable performance.

Stock Market Price Prediction

Created a LSTM model and a CNN-LSTM model to predict the future prices of NIFTY stock index and deployed the model using Azure Cloud Services.

PPE detection Model

Developed models to detect PPE kits using TensorFlow, MobileNets, Keras and OpenCV and created Flask API for ease of deployment.

Object Detection App

Created an object detection app on Android using TensorFlow Lite.

MNIST GAN

Developed computer-generated handwritten digits using GAN and the MNIST dataset.

Handwritten Equation Solver

Created a web application using TensorFlow.js to take handwritten polynomial equations as input and return the results.

IMDB Reviews NLP

Explored the IMDB dataset and created an "Embedding" for the reviews, where words and associated words are clustered as vectors in a multi-dimensional space. The reviews were categorized as positive and negative.

TECHNICAL SKILLS

Python	OpenCV, TensorFlow, MobileNets, NumPy, Pandas, Matplotlib, Seaborn, Plotly and Cufflinks, Scikit-Learn
Cloud	Microsoft Azure
Programming Languages	Python, Java, C, C++
Database Management	MySQL
IDEs	IntelliJ Environment, Visual Studio
OS	MacOS, Linux & Windows

CERTIFICATIONS

- **Data Analytics using Deep Learning, NUS Singapore**
- **Hewlett Packard Enterprise Education Services, Deep Learning**
- **CORPORATE GURUKUL Global Academic Internship Programme on 'Data Analytics using Deep Learning'**
- **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning**

Certificate Link: <https://coursera.org/share/f3f36a4fcfc7b4f879507aa683fa693b>

SOFT SKILLS

Highly motivated to learn about new tools and technologies, Ability to work under pressure, Detail-oriented, Critical thinker, Problem solver, Self-starter, Great at time management, Adaptability, Great interpersonal skills