Avinash R

Computer Science & Engineering

Mepco Schlenk Engineering College

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GitHub: https://github.com/avinash-218

Portfolio: https://avinash-218.github.io/avinash-portfolio-2/

Objective

Seeking a job in more challenging and healthy work environment where I can utilize and enhance my skills and knowledge for organizational growth and commit myself to an organization.

Skills

Technical Skills
- Data Visualization, Wrangling
- Machine Learning
- Deep Learning
- Git

Soft Skills
- Logical Thinking
- Analytical and Problem Solving
- Good Leadership Skill
- Adaptable

Education

- **B.E. Computer Science and Engineering**
  MEPCO SCHLENK ENGINEERING COLLEGE 2023
  CGPA – 8.75
- **Higher Secondary**
  The TVS School (Matriculation) 2019
  HSC – 87.67%
- **High School**
  M.K.R. Ayya Nadar Jeyalakshmi Ammal English Medium School (ICSE) 2017
  SSLC – 89.33%

Area of Interest

- Machine Learning
- Deep Learning
- Data Science

Experience

- **Intern - DeepSphere.AI (Jan 2022 – July 2022)**
  - Conversational AI
    Worked on a time series data to analyze its stationarity using statistical tests including Rolling statistics test, ADF test, Zivot Andres test etc.., and transformed the non-stationary data to stationary data by logarithmic and derivative transformation to convert the data compatible for modeling by Recurrent Neural Networks.
  - Stationarity Analysis and Stationary Transformation
    Worked on conversational AI that includes text, voice, and knowledge graph based chatbots. Artificial Neural Networks was implemented in both voice and text based chatbot. In case of Knowledge graph based chatbot, Resource Description Framework was used to create the knowledge graph and SPARQL implementation in RDF library was used to query the knowledge graph to extract output based on user input.

Projects

- ANN Vs ANN + Feature Extraction Vs CNN

  Worked on binary-classification of Homer and Bart Images to compare accuracy score, time taken for training, storage occupied by weights of Artificial Neural

Networks (ANN), ANN enhanced with feature extraction based on colors and Convolutional Neural Network (CNN). The comparison resulted in favor of CNN – least training time, least storage occupied by weights and best accuracy among all the three methods.

- [Semi-Supervised Learning on Fashion Dataset](#)
  Worked on Fashion Product Images Dataset in Kaggle to experience the combination of supervised and unsupervised learning. The unsupervised learning module uses KMeans clustering to cluster the fashion images into 45 clusters and then the supervised learning module builds an image classification model using Keras.

Certifications

- NPTEL course on **Programming, Data Structures and Algorithms using Python** with **86%.**
- NPTEL course on **Data Analytics with Python** with **71%.**
- Coursera Course on **Machine Learning.**
- Coursera Course on **Neural Networks and Deep Learning.**

Co-Curricular Activities

- Bagged **Third Prize** in **Techno-Innovate`21** conducted in Mepco Schlenk Engineering College and became eligible for seed-funding.
- Got a chance to meet-up with **Angel investors** to pitch the idea that uses Generative Adversarial Network (GAN) to generate new fashion clothing images.
- **58th Rank** in Hexaware Data Science Engineer Challenge – TechGig.
- Organized multiple events as the **Technical Lead** in **Google Developer Student Club** Core Team.
- Open-source contributor in **Hacktoberfest`21, Girl-script Winter of Code 21`.**
- Participated in few hackathons like Google Developer Student Club's **2021 Solution Challenge,** Amazon **ML Challenge** etc.

Interests & Hobbies

- Technical Blogging (Hashnode, Dev), Discussion Forums (Stack Overflow)
- PC Gaming
- Sci-Fi Movies & Series

Language Competency

- English (Read, Write & Speak)
- Tamil (Read, Write & Speak)

Personal Details

Father's Name: Raja S
Mother's Name: Chandra R
Date of Birth: 21.08.2001
Address: 7/3 Khanpalayam 4th Street, Madurai – 625009

Declaration

I assure you that the above furnished details are true to my knowledge.

Place: Madurai

Date: 10.07.2022

SIGNATURE

(AVINASH R)