SUYASH AGARWAL

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EDUCATION

B.Tech , C.S.E with Business Systems Graduating May 2024
Vellore Institute of Technology, Vellore, TN 8.35 / 10 GPA

TECHNICAL AND FINANCE SKILLS

Computer Science: Data Structures Algorithm, Artificial Intelligence, Machine Learning,Deep Learning, Cloud computing, Database Management, Theory of Computation, Computer Networks
Mathematical: Probability and Statistics, Discrete Maths, Linear Algebra, Data Science and Statistical Modelling
Financial: Marketing Research and Management, Financial and Cost Accounting,Financial Management

EXPERIENCE

National University of Singapore, Singapore: Academic Intern December 2022 – January 2023

- Created my own dataset by using web crawler to collect information from websites
- Training on various concepts like activation functions, optimization algorithms, forward and back-propagation and applications of various Neural Networks like CNN, RNN, YOLO etc.
- Acquired data and analysed from primary or secondary data sources .

Hewlett Packard Enterprise | HPE, Singapore: Project Intern December 2022 – January 2023

- Received industrial training in Data Analytics using Deep Learning and Deployment
- Learned to use Azure for deployment of various models.

ACADEMIC PROJECTS

Exploring the World of Food with EfficientNet B0 for Precise 101 Food types Classification Fall 2022

- In this project,I applied image processing, feature extraction, and model building using Python and various libraries such as TensorFlow, Keras, and OpenCV.
- Transfer learning was used on 101,000 images(101 Different food types)

Unleashing the Power of Time Series and Sentiment Analysis for Stock Market Prediction Winter 2022

- Led team of three to design and develop a Stock Market Prediction model using LSTM
- Assessed range-of-Stock data to determine feasible Data for training (Python)
- I combined models of Time Series analysis(LSTM), Web Scrapping and sentimental analysis of twitter for stock market predictions.

PUBLICATIONS

Triclustering of Gene Expression Microarray Data using a Hybrid Bio-Inspired Approach, : June 2023

- Accepted in Int. J. Computational Biology and Drug Design
- DOI: 10.1504/IJCBDD.2023.10055230
- I conducted research on triclustering microarray genes and proposed a novel meta-heuristic technique using a hybrid cuckoo (cuckoo search with harmony search) search algorithm under professor R. Balamurugan.
- The proposed method yielded promising results in identifying genes' behavior under specific conditions.

Heuristics and Decision making, : Present

- I authored a review paper on how professionals in different careers utilize heuristics and biases to make decisions, drawing on insights from the field of behavioral economics.
- This research involved conducting a comprehensive literature review, analyzing and synthesizing relevant research findings, and drawing conclusions.

SKILLS

- C, C++, Python, Research Development, Machine Learning, TensorFlow, keras, Financial Management,Data Analytics, open CV, Accounting, Java, Microsoft Office