**Sumedh Wairagade**

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**EXPERIENCE**

***Data Analyst Intern* - Basey Insurance, United States of America**  Dec2023

* Led development of impactful dashboards exploiting Supermetrics and LookerStudio, synthesizing data from 10 diverse sources, including social media and website insights, to drive informed decision-making and optimize revenue strategies.
* Resulting in 10% increase in revenues and also enhanced organizational insights. Currently working on optimizing Operations.

***Student Assistant* - UTA FABLAB, United States of America** Jan 2023-Dec2023

* Developed a Time-Optimizing Queuing System to boost productivity, and improved Excel sheets for efficient file tracking.

***Integrated Operations Engineer* - AlphaXM, India** Mar 2020-Dec 2021

* Collaborated with cross-functional teams to deliver measurable business value, utilizing data-driven insights and performance monitoring to enhance marketing effectiveness and streamline operations.
* Leveraged expertise in software-development to optimize marketing operations by designing innovative solutions, automating processes, and integrating marketing platforms and systems for seamless data flow. Resulted in a 3% increase in company Profits.

***ML/AI Intern* - ExpertsHub, India** Jul 2018-Jul 2018

* Assigned a project to develop an application where we had to implement one of the AI and ML algorithms, we developed a 5 classed classification model which analyzes sentiment of tweets or reviews of a product. Vectorized words and associated values with them.

**PROJECTS**

**Mango Leaf Disease Detection**

* Built Convolutional Neural Network model to detect 8 diseases discovered on mango leaves using keras library and Kaggle dataset.
* Preprocessed the data and split into 3 datasets, test, train and validation sets. Build a stop-loss function using Callback function in Keras library to prevent overfitting the data. Fine-tuned the hyperparameters, resulting in 88% accuracy.

**Generation and Optimization of Time-Table Using Genetic Algorithm**

* Modeled a productive Artificial Intelligence application, which generated one optimized Course Timetable for the University.
* Coordinated with professional organization about infrastructure and staff, and four other required entities to schedule timetables, number of classes, teachers, subjects and the data about the subjects that teachers are interested to teach. Adapted java servlet framework as UI and also tested 2 other AI algorithms, Constraint Satisfaction Problem and Heuristic Approach.
* Observed that after fine tuning the AI model the outputs can be gathered in very less time.

**Tweepy (Mini Projects)**

* Directed group of 6 for python application, classified keywords and mapped to the associated sentiments. Developed model before deadline, analyzing sentiments of tweets or reviews using SVM and NLP in python.

Analyzed the real time reviews of products with 83% accuracy. Also learned to efficiently work under high pressure.

**EDUCATION**

**The University of Texas at Arlington** Jan 2022 - Dec 2024

Master of Science (M.S.) Computer Science **GPA: 3.5/4.0**

* Course work: Data Mining, Machine Learning, Data Analysis-Modeling Techniques, Special Topics: Game Theory and Data Analytics.

**Savitribai Phule Pune University** Aug 2016 - May 2020

Bachelor of Engineering (B.E.) Information Technology **GPA: 7.23/10**

* Course work: Design & Analysis of Algos, Business Analytics & Intelligence, Social Media Analytics, Information Storage & Retrieval.

**CERTIFICATIONS**

* **Data-driven Decision Making** - PWC via CourseEra
* **Customer Analytics**, **Operations Analytics**, **Accounting Analytics**, **People Analytics** - Wharton University of Pennsylvania

**TECHNICAL SKILLS**

* Prog. Languages and IDE/Platform: C, C++, Java, R, Python, MySQL, PostgreSQL, MongoDB, Pandas, TensorFlow, Matplotlib, PyTorch, Apache Airflow, NumPy, SciPy, Matplotlib, AWS, Kubernetes, Looker Studio, Distributed Systems, MLOps, Supermetrics, Anaconda, GitHub, Advanced Excel(Pivot Table, Predict and forecast), PowerBI, Tableau, Google Analytics, Google Cloud Platform, Streamlit.
* Skills: Hyperparameter Tuning, Distributed Computing Systems, Requirement Gathering, Artificial Intelligence, Neural Networks, Object-Oriented Programming, Project Management, Deep Learning, ML Automation, Data Mining, Preprocessing, Exploratory Data Analytics, Visualization, Reporting, Advanced Excel, Data Pipelining, Transfer Learning.