**Sumedh Wairagade**

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**EDUCATION**

**The University of Texas at Arlington** Dec 2022(Pursuing)

Master of Science (M.S.) Computer Science **GPA: 3.667/4.0**

* Course work: Design and Analysis and Algorithm, Data Analysis and Modeling Techniques, Artificial Intelligence, Neural Networks, Machine Learning, Software Engineering: Management, Maintenance & Quality Assurance.

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

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

* Course work: Discrete Structure, Object-Oriented Programming, Data-Base Management Systems, Data Structures & Big Data Analytics, Business Analytics & Intelligence, Social Media Analytics, Information Storage & Retrieval.

**TECHNICAL SKILLS**

* Skills: Software Development, backend and frontend development, Data Visualizations, Data Mining, Distributed Computing Systems.
* Programming languages: C, C++, Java, JavaScript, HTML, PHP and (MySQL and MongoDB for databases).
* Web development: HTML, CSS, Bootstrap, JSP, Servlet, node.js, ReactJS.
* IDE/Platform: Git, Anaconda, Android Studio, Eclipse IDE, GitHub, Microsoft office (Excel/Word), PowerBI, Tableau.
* Others: Pandas, NumPy, TensorFlow, Matplotlib, Functional testing, Agile Development(Methodologies).

**EXPERIENCE**

***INTEGRATED OPERATIONS ENGINEER(Co-Founder)* - AlphaXM, India** Mar 2020-Dec 2021

* Administered imminent Marketing Firm, solved customer’s problems, performed Data Analytics, Business Analytics, Troubleshooting, Market Research, Application Development and Marketing Strategies(Advertising on 4 different platforms, Youtube Ads, Google Ads, Instagram Ads, Facebook Ads).
* Cataloged 5-6 services including site reliability for the application which is versatile to any small or medium sized business.

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

* Executed ML and AI based projects, created a prediction model which analyzed sentiment of tweets or reviews of a product. Learned 11 basic machine learning algorithms Linear Regression, Logistic Regression, Decision Tree, Naive Bayes, kNN, K-Means, Random Forest, Dimensionality Reduction Algorithms, Gradient Boosting Algorithm and CNN.

**PROJECTS**

**Generation and Optimization of Time-Table Using Genetic Algorithm (Mega Project)**

* Modeled productive Artificial Intelligence application, which used Automation to generate one optimized Course Timetable.
* 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.

**Property Management (Mini Projects)**

* Collaborated with 3 colleagues on a Java Application for Property Management with back end operating on java and java server pages, MySQL and XAMPP. Later can add an itinerary module to overview planned trips.
* Built an application using 4 hard constraints, to decide the price of the property based on Area, Locality, Transit and Amenities.

**Maharashtra Tourism (Mini Projects)**

* Designed web-app, search and plan tourist attraction spots using 4 basic web tech-stacks and XAMPP to handle servers.
* Applied booking.com api systems to it, on login to one of the innovative information pages about tourist places in Maharashtra State.

**Tweepy (Mini Projects)**

* Directed group of 6 for python application, developed model before deadline, analyzed sentiments of tweets or reviews using SVM and NLP in python. Classified keywords and mapped them to sentiments.
* Accomplished to work effectively under high pressure once. Further it can be used to analyze real time reviews on sites like IMDB.

**CERTIFICATION**

* **Introduction to Javascript** - Microsoft Technology Associate
* **Data-driven Decision Making** - PWC via CourseEra
* **Customer Analytics** - Wharton University of Pennsylvania
* **Google Analytics(Beginners)** & **Advanced Google Analytics** - Google Analytics Academy