**Priyanka Anumandla**

+1 410 900 2279 | [priyaanumandla321@gmail.com](mailto:priyaanumandla321@gmail.com)

<https://www.linkedin.com/in/priyanka-anumandla-54b06b189/>

**EDUCATION**

University of Maryland, Baltimore County, Baltimore, MD, USA Aug 2022 – May 2024(Expected)

Masters of Professional Studies – Data Science, GPA: 3.778

* Coursework: Intro to Data Science, Machine Learning, Big Data Processing, Database Management

Vardhaman College of Engineering, Hyderabad, India June 2016 – May 2020

Bachelor of Technology in Information Technology, GPA: 3.58

* Coursework: Python Programming, Data Structures, DBMS(SQL), Java, Data Mining, Software Engineering

**TECHNICAL SKILLS**

**Programming** Python, Oracle SQL, PHP, JavaScript, Crowdin, C, R

**Tools** Data visualizations like Tableau and Power BI, Git, Prompt Engineering

**Software** MySQL, MS Office Suite like MS Excel, MS Word, PowerPoint, JDE & Adobe Acrobat

**Libraries & Frameworks** Codeigniter Scikit-Learn, Predictive models¸ Pandas, NumPy, Matplotlib, Seaborn, ReactJS

**Interests**  Data visualization, ML and AI, Statistical Analysis, Data Analytics, Big Data, operational metrics

# WORK EXPERIENCE

**ValueLabs Inc,** *Senior Software Engineer*, Hyderabad, India July 2020 – Aug 2022

* Collaborated with Achievers onsite team to develop full-stack web app features using CodeIgniter, achieving 20% reduction in data processing time and maximum performance boost.
* As platform is mitigating to python, implemented machine learning models in Python using NumPy and SciKit-Learn accessed via SQL Server stored procedures for real-time scoring and predictions.
* Created complex SQL Server Reporting Services reports and Tableau visualizations fed by Python ETL scripts for automated, schedule delivery of insights to executives.

**ValueLabs Inc,** *Internship*, Hyderabad, India Sep 2019 - March 2020

* As front-end lead guided 8-person front-end team to increase user engagement by 20% and revenue 15% on a real-time project.
* Collaborated with senior developers to streamline JS and MySQL, achieving a 25% faster application load time and 15% more efficient development.
* Developed and executed complex SQL queries to retrieve, filter, and transform data for reporting and analysis purposes.

# PROJECTS

***Newsletter Machine Learning Project*** Jan 2023 - March 2023

* The data set with 12 unique values in the target category underwent data cleaning, data visualization including dropping unwanted columns, filling null values, and converting column data types to original formats for accurate analysis.
* Improved machine learning model accuracy by 15% through implementing SimpleImputer, OneHotEncoder, cross-validation, and comprehensively assessing Logistic Regression, Decision Tree, SVM and Random Forest models.

***Movie Recommendation System Using Big data*** Feb 2023 - March 2023

* The data set contains metadata for 45,000 movies and 6 million ratings from 270,000 users, powers a diverse recommendation system integrating Demographic Filtering, Content-Based Recommendation, and Collaborative Filtering techniques.
* Applied Demographic Filtering with MapReduce and optimized collaborative filtering using the Alternating Least Squares algorithm improving recommendation accuracy by 15% to enhance recommendation accuracy.

***UK Road Traffic Collision Dataset*** Sep 2022 - Dec 2022

* Analyzed and visualized UK Road Traffic Collision Dataset containing over 2.1 million rows by performing ETL with Python.
* Implemented Matplotlib, Seaborn, NumPy and Pandas to conduct exploratory data analysis on factors influencing over 300,000 collisions.

# RECOGNITION

* Recognized with Star of the Month awards for outstanding performance at ValueLabs, including achieving a 98% client satisfaction rate.
* Achieved full tuition reimbursement for high academic performance throughout my undergraduate program.