

# Priyanka Anumandla

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## EDUCATION

- University of Maryland, Baltimore County, Baltimore, MD, USA May 2024(Expected)  
Master of Professional Studies in Data Science, GPA: 3.78/4.00
- Coursework: Data Science Foundations, Machine Learning, Big Data Processing(AWS, Apache Hadoop, PySpark), Advanced Database Management Systems (SQL, NoSQL Databases), Data Modeling
- Vardhaman College of Engineering, Hyderabad, India May 2020  
Bachelor of Technology in Information Technology, GPA: 3.58/4.00
- Coursework: Python Programming, Data Structures, Java, Data Mining, Software Engineering, Agile Methodology

## TECHNICAL SKILLS

- Programming** Python, Oracle SQL, PHP, JavaScript, Crowdin, C, R
- Tools & Technologies** Proficient in Data Visualization (Tableau, Microsoft Power BI), Version Control (Git)
- Software** MySQL, Microsoft Office Suite (Excel, Word, PowerPoint), JDE, Adobe Acrobat
- Libraries & Frameworks** Codeigniter Scikit-Learn, Predictive models, Matplotlib, Seaborn, ReactJS
- Professional Interests** Development and Optimization of Machine Learning Models (SVM, Decision Trees), Statistical Regression, Natural Language Processing, Artificial Intelligence Applications, Advanced Statistical Analysis, Data Analytics, Cloud Computing (AWS), Microsoft Excel(Pivot Tables)

## WORK EXPERIENCE

- ValueLabs Inc, Senior Software Engineer**, Hyderabad, India July 2020 – Aug 2022
- Collaborated with the Achievers onsite team to develop full-stack web app features using CodeIgniter, achieving 20% reduction in data processing time and maximum performance boost.
  - Trained in advanced data analytics and machine learning algorithms, including XGBoost, Regression and Clustering Algorithms thereby enhancing predictive modeling capabilities, and optimizing data-driven decision-making processes.
  - Utilized SQL Server Reporting Services to develop intricate reports and designed insightful Tableau visualizations, streamlined through Python-based ETL processes.
- ValueLabs Inc, Software Engineering Intern**, Hyderabad, India Sep 2019 - March 2020
- Led a 4-person front-end team to increase user engagement by 20% and revenue by 15% in a real-time project.
  - In collaboration with senior developers, Optimized web application performance by refining JavaScript code and MySQL, achieving a 25% improvement in application load time and a 15% increase in development efficiency.
  - Developed complex SQL queries to retrieve, filter, and transform data for report design and analysis purposes.

## PROJECTS

- Newsletter Machine Learning Project** Jan 2023 - March 2023
- Implemented data cleansing and visualization on a dataset containing 12 unique target category values, involving the elimination of extraneous columns, imputation of missing values, and standardization of column data types to ensure the integrity and accuracy of subsequent analyses.
  - Enhanced machine learning model performance by 15%, utilizing data preparation techniques such as SimpleImputer and OneHotEncoder, cross-validation, and evaluating a variety of models like Logistic Regression, Decision Tree, SVM and Random Forest models.
- Movie Recommendation System Using Big data** Feb 2023 - March 2023
- Developed a sophisticated movie recommendation system utilizing a dataset with metadata for 45,000 movies and 6 million ratings from 270,000 users, incorporates 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.
  - Implemented Matplotlib, Seaborn, NumPy and Pandas to conduct exploratory data analysis on factors influencing over 300,000 collisions.

## HONOURS AND AWARDS

- Recognized with Star of the Month awards for outstanding performance at ValueLabs, including achieving a 98% client satisfaction rate.
- Secured a full academic scholarship through consistent high academic performance during the undergraduate program.