

DHEERAJ REDDY ANUGU

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PROFESSIONAL SUMMARY:

Data Analyst with 2+ years of experience in data analysis and Computer Science graduate with a Master's degree from the University of Maryland Baltimore County and hands-on experience as a Graduate Assistant and Programmer Analyst. Proficient in programming languages, web development, data analysis tools, and version control. Skilled in enhancing system performance, developing software, and creating impactful data visualizations. Certified in Google Professional Data Analytics, experienced in leveraging machine learning for innovative projects.

EDUCATION:

Master of Science in Computer Science

University of Maryland Baltimore County

August 2022 - May 2024

GPA: 3.81/4

Bachelor of Technology in Computer Science

CMR College of Engineering and Technology

June 2017 - May 2021

GPA: 3.58/4

TECHNICAL SKILLS:

Scripting, Databases: SQL, Python, R, Matlab, Java, Hadoop, Scala, MongoDB, NoSQL, Snowflake, Teradata, C, C++
Libraries and Tools: Tableau, Power-BI, Excel VBA, Oracle Fusion Applications, Pivot Tables, Lookups, Matplotlib, Pandas, Scikit-learn, TensorFlow, PyTorch, Jupiter Notebook, API, BigQuery, Redshift, Orchestration tools - Docker, Kubernetes
Data Science skills: Data collection and Preparation, Data processing and Modeling, Data Analysis and Visualization, Communicating Data Insights, Statistical modeling, RDBMS, tracking KPIs / Metrics, PBI, Supply chain management
Version Control: Git
Cloud Platforms: AWS, Google Cloud

WORK EXPERIENCE:

Graduate Assistant

University of Maryland Baltimore County, Baltimore, USA

August 2023-June 2024

- Enhanced student academic performance by evaluating assignments and providing constructive feedback.
- Collaborated with faculty, staff, and peers to support departmental goals and improve the academic environment.
- Created **Tableau** dashboards, increasing student performance analysis reliability by 25%.

Programmer Analyst Trainee

Cognizant Technology Solutions, Bangalore, India

July 2021 – June 2022

- Maximized system performance by 20% through adept utilization of **Oracle Fusion Applications** within Oracle Cloud Database infrastructure.
- Demonstrated exceptional precision by identifying and rectifying program errors with a remarkable 98% accuracy rate, ensuring reliable and precise outcomes.
- Developed and maintained software solutions, resulting in a 30% increase in data retrieval efficiency and the production of 30+ detailed reports monthly.
- Designed and optimized data visualizations and interactive dashboards in **Tableau Server**, enhancing the ability to analyze and interpret complex data sets, improving client data visualization and decision-making processes by 40%.

PROJECT EXPERIENCE:

US Bank Loan Performance, Domain: Finance

- Conducted analysis of bank loan performance, identifying all the KPIs and 86.2% rate of good loans and a 13% monthly growth in funding, with a focus on regional demand in California.
- Analyzed loan data to reveal a 73.2% uptake of 36-month terms, predominantly for debt consolidation, informing specialized product and service development.
- Recommended the risk management improvements by enhancing loan grading, adjust loan terms to reduce the 13.8% bad loan rate, debt consolidation products, personalized communication strategies to boost engagement and monitoring.

Cricket T20 world cup data analytics, Domain: Sports

- Created a Power BI dashboard to identify top 11 players for a T20 cricket team by scraping data from ESPNcricinfo, using pandas for data cleaning and transformation, evaluating player performance metrics.
- Leveraged insights from the dashboard to strategically select top 11 players across diverse roles - openers, anchors, finishers, all-rounders, and specialist fast bowlers - yielding a team with a 90% likelihood of winning the match.

Ecommerce Store Annual sales report, Domain: Sales

- Designed an interactive dashboard for an e-commerce clothing store that analyzed the following 31,000 annual sales.
- Generated key insights such as the higher tendency of women to make purchases (about 65%), the top three performing states (about 35%), and the large contribution of the adult age group 30-49 yrs. constituting about 50% of the sales.
- Implemented data-driven strategies to increase store sales by targeting women customers aged 30-49 years in top-performing states with ads, discounts, and coupons on major platforms like Amazon, Flipkart, and Myntra.

Driver Drowsiness Detection, Domain: ML

- Developed a web-based prototype system using OpenCV and Haarcascade for real-time detection of driver drowsiness by monitoring eye closure and yawning patterns, achieving a detection reliability rate of 98.5% during field tests.
- Enhanced road safety by implementing an alert system that triggers auditory and visual warnings when signs of fatigue are detected, contributing to a projected 40% reduction in fatigue-related driving incidents.

CERTIFICATIONS:

- Certified in Google Professional Data Analytics
- Certificated from University of London Responsive Website Basics: Code with HTML, CSS, JavaScript in Coursera.
- Certificated in Complete Python Bootcamp: From Zero to Hero in Udemy.
- Certificated in Google Cloud Infrastructure in Coursera.
- Telangana State Merit Scholarship for bachelor's degree.