Adarsh Bandaru

📞 716-617-0186 ✉ adarshreddybandaru@gmail.com in LinkedIn ⊙ Github ⊕ Portfolio

Education

State University of New York at Buffalo   **August 2023 - December 2024 (Expected)**
Master of Science in Computer Science
- Machine Learning, Deep Learning, Data Structures, LLM, Computer Vision, NLP, Algorithm Analysis and Design

Vellore Institute of Technology   **August 2018 - May 2022**
Bachelor of Technology in Computer Science and Engineering

Technical Skills

Programming Languages: Python, Java, C++, JavaScript, SQL, Scala, R, HTML5, CSS3
Tools and Platforms: Git, Postman, Docker, Databricks, Amazon S3, Visual Studio, Anaconda, Linux, Windows, AWS, Microsoft Azure
Methodologies & Concepts: Agile Development, CI/CD, Data Analytics, Data Modeling, Machine Learning, Deep Learning, Natural Language Processing (NLP), Object-Oriented Programming (OOP), SaaS
Frameworks & Libraries: PyTorch, TensorFlow, Keras, Scikit-Learn, Pandas, Matplotlib, Seaborn, FastAPI, Bootstrap, Apache Spark
Databases: MongoDB, MySQL, PostgreSQL, Mongoose

Experience

MiQ Digital   **Jan 2022 - July 2023**
Analyst I (Aug 2022 - July 2023) & Intern (Jan 2022 - July 2022)   *India*
- Generated insightful ad campaign reports and recommendations for diverse clients spanning various industries.
- Took initiative to build dashboards for streamlining reporting for internal business operations and customer engagements, leading to a more than 70% reduction in need for manual report generation.
- Developed automation solutions for generating IP-based targeting segments using TV Data, resulting in a drastic reduction in processing time from 2.5 hours to 7 minutes per request, saving over 1000+ hours while eliminating need for manual intervention.
- Collaborated with different teams in strategic planning, analysis, and took leadership in overseeing and leading specific tasks from the analytics side for the 2022 US Senate and Governor elections.
- Created 5+ vertical studies across domains to enhance campaign performance by leveraging current trends and diverse channels like CTV, Audio, and Display.
- Performed exploratory data analysis (EDA) for multiple clients, uncovering new insights and driving strategic improvements.
- Explored newly onboarded DSP and enhanced the reporting and activation capabilities.

Projects

Instagram Content Categorization and Recommendation System | *Python, PyTorch, Flask*
- Explored various CNN architectures to optimize classification accuracy for Instagram screenshots. Applied advanced models and techniques to enhance performance, and used a Siamese Network to curate content and recommendations based on post similarities.

Employability Classification of Job Applicants | *Pandas, Scikit-Learn, Streamlit, Matplotlib*
- Deployed a cutting-edge web application, utilizing predictive and classification machine learning models using logistic regression, decision trees, and random forests and achieved an accuracy rate of 92% in predicting candidate suitability.

Student Finance Database | *PostgreSQL, Python*
- Designed and implemented a resilient Student Finance Database for 10,000 students, enhancing performance through indexing, query optimization, and data partitioning, reducing query response time by 40% and improving system scalability by 50%.

Secure Chat Application | *Java*
- Created an encrypted chat system utilizing a hybrid cryptographic approach with AES, RSA, and Dynamic S-box for secure communication.

Certifications

Data Analytics Professional Certification - Google

Security Analyst Role Certification, National Skill Qualifications Framework Level 7 - Nasscom