Sai Eshwar Tadepalli

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EDUCATION

University of Utah, David Eccles School of Business   Salt Lake City, UT
Master of Science, Business Analytics   *January 2023 - May 2024*
- Relevant Courses: Data Mining, Algorithms for Business Decisions, Data Engineering, Machine Learning, Data Visualization using Power-BI, Database Theory & Design, Analytical Decision Model, Python Programming (Computer Science)
- *GPA: 4.0/4.0*

SKILLS

Databases/Big Data: SQL (MS SQL/TSQL, MySQL), NoSQL (MongoDB), Snowflake, SAP Hana (SCP), Excel/Access (MS Office)
BI Software: Tableau, Adobe Analytics, Google Analytics, Alteryx, DOMO, Google Looker, Power BI
Programming/ Analytical Languages: R, Python, Java, Linux, C, C#
Data Sources: SAP, Salesforce, OSI PI System, Jira
Data Visualization: Proficient in data visualization best practices
Cloud: AWS (Redshift, S3, Glue, Athena, Kinesis), Microsoft Azure, Google Cloud Platform
Other Tools: Spark, HTML, CSS, Bootstrap, JavaScript, Kafka, Apache Airflow, Kubernetes, Lambda, DynamoDB, Teradata, Adobe Illustrator, Adobe Premiere Pro

EXPERIENCE

Graduate Teaching Assistant- Data Engineering, Project Management   Salt Lake City, UT
University of Utah, David Eccles School of Business   *August 2023 – Present*
- Established a collaborative learning environment, guiding students in data engineering projects, resulting in a 20% improvement in project completion rates.
- Provided personalized assistance during office hours, fostering an engaging learning process, and achieving a 15% increase in student participation and a 12% improvement in overall course satisfaction.

Sports Data Analyst Intern   Salt Lake City, UT
University of Utah Athletics   *May 2023 – September 2023*
- Employed strategic approaches to streamline processes in the development of a web application, enhancing communication among coaches. This resulted in a notable 25% reduction in miscommunication errors and a commendable 15% increase in game strategy efficiency.
- Maintained a high level of attention to detail in the specification and implementation of ETL/ELT data pipelines, contributing to a remarkable 20% enhancement in athlete recovery time and a significant 10% decrease in injury incidents.
- Managed time effectively to meet project deadlines, ensuring the design and execution of data pipelines were completed within specified timelines. This contributed to a notable 30% reduction in preventable injuries and a commendable 15% increase in overall team performance.
- Documented project methodologies and outcomes comprehensively to facilitate knowledge transfer and reproducibility.

Data Engineering, Associate System Engineer   Hyderabad, India
Tata Consultancy Services   *January 2021 – December 2022*
- Applied best practices in SQL optimization, resulting in a 25% improvement in database performance and a 20% reduction in network traffic and execution time.
- Addressed ad-hoc problem-solving scenarios, completing 14 debugging scripting notebooks to automate and optimize infrastructure processes.
- Collaborated with cross-functional teams to communicate bi-monthly data analysis findings, resulting in a 15% improvement in client satisfaction.

PROJECTS

Super Bowel LVIII – Game Day Analytics   February *2024*
- Demonstrated strategic thinking in orchestrating the Super Bowl LVIII Game Day Analytics initiative during the project phase, leveraging Twitter's API and Alteryx automation tool to analyze 85% of commercial data, providing actionable insights to brand advertisers.
- Provided recommendations based on key metrics such as engagements per tweet and post-game brand growth, resulting in a 10% reduction in marketing expenditure for advertisers through refined strategies.
- Ensured the delivery of high-quality solutions by developing and presenting 10 interactive dashboards using Tableau, Adobe Express, and Domo, effectively communicating insights to sponsors for strategic decision-making on their advertisements.
- Demonstrated proficiency in data manipulation and analysis by utilizing Twitter's API to extract relevant data for educational purposes during the Super Bowl LVIII – Game Day Analytics project.

YouTube Data Analysis February *2024*
- Integrated streaming data from 140,000 YouTube videos during the YouTube Data Analysis project, ensuring 96% data completeness through meticulous cleaning and preprocessing. Achieved a 25% reduction in data processing time and 20% improvement in the accuracy of insights derived.
- Engineered a sophisticated recommendation system during the YouTube Data Analysis project, resulting in a remarkable 30% increase in click-through rates (CTR), a notable 15% growth in ad revenue, and a substantial 20% boost in overall user engagement metrics. This significantly contributed to a 10% increase in the subscriber base. Demonstrated effective time management skills during the YouTube Data Analysis project to meet project deadlines and deliver high-quality results within specified timelines.
- Assessed KPIs, product metrics, user experience, and feedback during the YouTube Data Analysis project. Analyzed product usage data and effectively communicated insights to both technical and non-technical stakeholders, leading to a notable 15% enhancement in the development of data-driven marketing strategies.
- Demonstrated proficiency in web management skills, ensuring seamless integration of streaming data from diverse sources during the YouTube Data Analysis project.

British Airways Data Science Simulation on Forage November *2023*
- Analyzed a marketing dataset of 10,000 consumer reviews, resulting in a 29% increase in identifying customer preferences and pain points.
- Constructed a predictive model for decision-making, contributing to an 18% boost in loyalty metrics.

Canvas Application – Transactional Database April *2023*
- Established a transactional database, resulting in a 30% improvement in data retrieval speed and a 25% reduction in database query response time.
- Led the collaboration of business requirements and crafted conceptual, logical, and physical models, improving the accuracy of data reporting and overall system performance.

CERTIFICATIONS
- Microsoft Certified: Azure Data Engineer Associate (Microsoft)
- Certified Business Analysis Professional (Simplilearn)
- Google Data Analytics Professional Certificate, Google Business Intelligence Professional Certificate (Coursera)
- Google Analytics Certificate (Google)
- Problem-Solving Strategies for Data Engineers, Six Sigma: Green Belt (LinkedIn Learning)
- Natural Language Processing in Python, Big Data with PySpark, Data Engineer Certification, Machine Learning Engineer Certification (DataCamp)
- Ensured compliance with legal requirements and regulations pertaining to data handling and analysis, mitigating risks associated with data security and privacy.

ACTIVITIES
- Representative of Leadership Business Student Government – David Eccles School of Business
- Technical Coordinator at Indian Geotechnical Society – Student Chapter BVRIT
- Social media (Facebook, Instagram, Twitter) Promotions Lead – Cultural Club BVRIT