Aswesh Thrissur Anand (Ash Anand)

Data Scientist

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Experience

Data Science Intern | Vision Verse Interactive Pty Ltd, Sydney   07/2024 – 11/2024

- **Improved AI recommender system** efficiency by structuring data management and creating unified data models, including a UML-aligned data dictionary, after collaborating with IT to define key attributes, resulting in a potential 20% increase in recommendation accuracy.
- **Designed and implemented** a Tableau dashboard wireframe to visualize key metrics, enabling product owners and clients to make data-driven decisions more efficiently, which resulted in a **potential 80% faster decision-making** process through operational insights.

Decision Scientist | Mu Sigma Business Solutions LLC, Bengaluru   09/2019 – 01/2023

- Analyzed historical sales data to **identify demand variability** in a retail giant's Western Europe stores, then developed a **time-series ML model** for size-level **demand forecasting**, **reducing** supply **lead time by 40%**.
- Addressed inventory management challenges by **developing and deploying** an interactive **Tableau** dashboard for size-level performance monitoring, **increasing inventory accessibility by 30%** and improving stock availability across stores.
- Designed and **built 7 critical dashboards** and Ad-Hoc reports for a retail giant's Western Europe Director of Stores, **enabling data-driven decisions** that resulted in a $60K increase in annual revenue.
- Architected and maintained a **fully automated Azure ETL** pipeline for a **telecom giant's**, streamlining workflows and enabling data access supporting **a $1M annual revenue** account by collating data from 7+ sources into a multidimensional data cube.
- Co-developed and presented the **winning Azure cloud solution** architecture for a chemical industry leader's data pipeline project in an RFP pitch, securing a **$50K contract**.
- As part of the **Research and Innovation team** at Mu Sigma, I automated the migration of Audit data from disparate Excel files to a consolidated PostgreSQL database, **reducing information retrieval time by over 90%** (from 2 days to under 4 hours) and enhancing cross-functional collaboration across teams.
- **Led** training sessions for multiple subgroups on Git and Azure Cloud technologies, reducing project delivery times by **20% by enhancing team efficiency**, reducing merge conflicts, and building a stronger understanding of core tools.
- **Developed and delivered training** in client communication, domain knowledge, and data analysis techniques to rapidly integrate 4 new joiners into high-responsibility roles, preparing them for success.

Skills

- Data Science & Machine Learning: Time-Series Forecasting, Recommender Systems, Machine Learning Algorithms, Predictive Modeling, Data Analysis, A/B testing, Feature Engineering
- Data Engineering: ETL Pipeline Architecture, Data Transformation, Azure Data Factory
- Data Visualization & BI Tools: Tableau, Power BI
- Cloud Technologies: Microsoft Azure
- Programming Languages: Python, SQL(PostgreSQL, Microsoft SQL Server, SnowflakeSQL)
- Cross-Collaboration and Version Control: Git, Cross-functional Team Collaboration, Confluence, JIRA, Trello, MIRO
- Team Leading: Led multiple data science teams and projects, ensuring smooth collaboration and timely delivery.
- Client Communication & Stakeholder Management: Engaged with clients and key business stakeholders, providing data-driven insights and recommendations, ensuring alignment with business goals.

Education

Master of Data Science | The University of Melbourne   **02/2023 – 12/2024**

- **Delivered actionable product improvement recommendations** for Melbourne Dental School by leading an NLP capstone project, building a machine learning model with transfer learning and rule-based classification to analyze product reviews, resulting in targeted enhancements to the product.
- **Provided actionable insights for urban planning and development** by creating three interactive dashboards in Tableau and R, enabling City of Melbourne officials to analyze Victoria Road accident data and livability metrics, improving decision-making and planning accuracy.
- Elevated data accessibility and **developed insights** from 124,000 tweets by building a scalable cloud solution on the SPARTAN cluster, efficiently collecting and processing 60 GB of JSON data, enabling faster insights and decisions for stakeholders.

Bachelor of Technology in Computer Science and Engineering | Amrita University   **06/2015 – 05/2019**

- **Enhanced road safety research** by proposing a novel approach for real-time driver distraction detection, co-authoring a **research paper published** in the Springer Journal for Advances in Artificial Intelligence and Data Engineering, contributing to the advancement of research in the field.

Professional Certifications

- Azure AZ-900: Microsoft Azure Fundamentals Certified

Awards and Recognitions

- Certificate of Achievement: Awarded by Vision Verse Interactive in 2024 for outstanding commitment, dedication, and valuable contributions as a Data Dashboard Developer Intern
- Star Performer of the Team (SPOT): Awarded by Mu Sigma in 2023 for exceptional client interaction and dashboard delivery for the Western Europe Stores team of a retail giant.
- Star Performer of the Team (SPOT): Awarded by MuSigma in 2020 for dedication, enthusiasm, and pro-activeness in multiple threads (Audit DB migration activity & creation of consolidated DB for weekly report generation) while contributing towards technical consultation for client accounts