

# Aswesh Thrissur Anand

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## Profile

Results-oriented Data Scientist with 3.5+ years of experience developing and deploying data-driven solutions for Fortune 500 companies. Expert in building scalable big data pipelines, implementing predictive models, and applying machine learning techniques in Natural Language Processing and Computer Vision. Proven track record in developing interactive data visualization dashboards, driving data-informed decision-making and optimizing operational efficiency. Adept at cross-functional collaboration, building strong stakeholder relationships, and delivering actionable insights to drive business outcomes and revenue growth. Passionate about leveraging data science to solve complex problems and improve user experiences

## Education

### Master of Data Science

Feb, 2023 - Dec, 2024

The University of Melbourne

- Delivered actionable product improvement recommendations, informing targeted enhancements for Melbourne Dental School by leading an NLP capstone project and building a machine learning model with transfer learning and rule-based classification to analyse product reviews
- Provided actionable insights for urban planning and development by creating three interactive dashboards in Tableau and R, enabling City of Melbourne officials to analyse Victoria Road accident data and livability metrics
- 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

### Bachelor of Technology in Computer Science and Engineering

Jun, 2015 - Dec, 2019

Amrita University

- Enhanced road safety research by proposing a novel approach for real-time driver distraction detection, as evidenced by co-authoring a research paper published in the Springer Journal for Advances in Artificial Intelligence and Data Engineering

## Experience

### Data Science Intern

Jul, 2024 - Nov, 2024

Vision Verse Interactive Pty Ltd, Syd

- Enhanced AI recommender systems' efficiency by ensuring structured data management through researching data requirements, collaborating with IT to identify key attributes, and creating a data dictionary aligned with UML diagrams
- Empowered product owners and clients to make data-driven decisions more efficiently by designing a dashboard wireframe using Tableau, improving visualization of key metrics

### Decision Scientist

Sep, 2019 - Jan, 2023

Mu Sigma Business Solutions LLC

- Reduced supply lead time by 40% across Western Europe stores of Converse by building a time series machine learning model to forecast product demand by size
- Elevated inventory accessibility by 30% by deploying an interactive dashboard for size-level performance monitoring
- Increased annual revenue by \$60K by designing and building 7 business-critical dashboards and enhanced product performance KPIs at country, store, and division levels
- Onboarded and mentored 4 new employees within 3 months, fostering expertise in problem space activities, ensuring alignment with company culture, and accelerating overall productivity
- Generated \$1M in revenue by streamlining data access for T-Mobile's data science team by deploying automated, metadata-driven Azure pipelines
- Enhanced data accessibility and analysis capabilities by migrating data from legacy systems to Azure Data Lake and enriching 3 Azure multidimensional cubes with data from 7 additional sources
- Secured \$50K in revenue by co-developing winning solution architectures for business pitches and RFPs
- Increased cross-team collaboration efficiency by 25% by migrating Mu Sigma's Audit DB from Excel to PostgreSQL
- Enhanced team proficiency and reduced project delivery times by 20% by leading account-specific Git and Azure Cloud training sessions for multiple subgroups

- Achieved top 10% ranking in Mu Sigma's 2019 Data Engineering course, securing a place in a Cloud Accelerator Program (CAP)

## Technical Skills

- Programming Languages: Python, R, SQL
- Frameworks: Scikit-learn, Pandas, NumPy, SciPy
- Machine Learning Techniques: Linear and Logistic Regression, Classification, Decision Forests, Recommendation Systems, Clustering, Neural Networks, and LLMs
- Data Engineering and Big Data Tools: Microsoft SQL Server, Azure SQL Database, Snowflake, Azure Synapse Analytics, Azure Data Lake Storage Gen2, Azure Data Factory (ADF)
- Data Visualization and Business Intelligence: Tableau, Microsoft PowerPoint
- Version Control and Collaboration: Git, Azure DevOps, Jira, Confluence

## Areas of Specialization

Machine Learning & AI | Big Data Analytics | Data Engineering & Pipeline Development | Natural Language Processing (NLP) | Computer Vision | Predictive Modelling & Time Series Analysis | Data Visualization & Dashboard Design | Cloud Computing | Team Management & Mentorship | Cross-Functional Collaboration & Stakeholder Management | Technical Leadership & Training | Research & Innovation | Critical Thinking & Problem-Solving | Excellent Communication & Presentation Skills | Proactive & Self-Motivated

## 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 MuSigma in 2023 for leading a team of three and establishing great client interaction with key business stakeholders while also delivering high-quality dashboards for the Western Europe Stores team of Nike-Converse
- 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