


NIKETHA VENKATESH

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Skills

- **Data Analytics and Machine Learning:** Tableau, Excel (Advanced), Statistical Analysis, PowerBI, Classification, Regression, Clustering, Ensemble Methods, Feature Engineering, Model Validation
- **Optimization and Databases:** Linear Programming, Gurobi, Process Optimization, Lean Six Sigma, DMAIC, Oracle, MySQL, PL/SQL, Database Design, Data Modeling
- **Tools and Programming:** Git, JIRA, SoapUI, Hadoop, App Dynamics, Visual Studio, Jupyter Notebook, PowerApps, Python (Pandas, NumPy, Scikit-learn), SQL, C#, ASP.NET, JavaScript, Java, R

Technical Coursework & Graduate Projects

- MSBA Graduate Student** Arizona State University Tempe, AZ, USA 01/2025 – Present
- **Enterprise Data Analytics (CIS 505):** Designed relational databases using **SQL** and **ER diagrams**; built interactive **Tableau dashboard** analyzing **50K+ IMDB** movie records delivering industry insights and revenue trend analysis
 - **Machine Learning in Business (CIS 508):** Engineered employee **attrition prediction** system processing **1,470 records** from **IBM**; implemented **12 ML algorithms (Random Forest, SVM, Gradient Boosting, XGBoost)** achieving **97% AUC** and identified top 5 attrition drivers
 - **Business Process Analytics (SCM 517):** Applied **Lean Six Sigma** and **DMAIC methodology** to optimize global proposal creation process; developed **Tableau dashboards** across 5 geographies and presented recommendations **reducing cycle time by 15%**
 - **Analytical Decision Modeling (SCM 518):** Built AI request routing optimization model using **Gurobi Python** for ChatGPT backend allocation; **minimized operational costs by \$0.25 per 1K tokens** while maintaining **100% SLA compliance**

Work History

- Graduate MSBA student - Capstone Project(ASU)** Avnet Tempe, AZ, USA 06/2025 - Present
Currently developing an **integrated Supply Chain Control Tower** with **AI powered Analytics** for Avnet, building **PowerBI dashboards** and **AI Agents (Supply gap Analysis and Operations Analyst)** to deliver end-to-end visibility and **proactive risk management** across Continental US operations.
- Graduate MSBA student -Research Assistant** ASU Tempe, AZ, USA 07/2025 - Present
- Conducting research under Professor Brett Duarte on applications of **Artificial Intelligence in Supply Chain Management**.
 - Analyzing emerging AI technologies and **optimization frameworks** to support the development of data-driven, **automated**, and **predictive decision-making** applications in Supply Chain Management.
- Associate Programmer Analyst Insurance Applications (Hartford)** Cognizant Coimbatore, India 09/2022 – 08/2023
- Enhanced user functionalities across **accounting and mortality applications**; reduced support ticket volume by **40%** through improved **UX design**
 - Implemented **front-end optimizations** and **tax calculation modules**; improved processing speed by **20%** for mortality policy applications
 - Maintained comprehensive **knowledge database** achieving **95% first-call resolution rate**; coordinated **release management** for production deployments
- Programmer Analyst Healthcare Insurance Systems (Emblem Health)** Cognizant Chennai, India 08/2020 – 09/2022
- Provided **24/7 production support** for consumer portals serving **500K+ members**; reduced system downtime by **30%** through proactive monitoring and rapid issue resolution
 - Developed and deployed **code fixes** for integration solutions supporting **Medicare and Medicaid** claims processing; improved application performance by **25%** and resolved critical **dental claims processing** issues
 - Collaborated with **cross-functional teams** to deliver **bi-weekly releases**; maintained **99.5% system availability** during peak enrollment periods

Certifications

Lean Six Sigma Green Belt Certification – *in progress* expected completion - 12/2025
(Plastics and Design Company, Scottsdale)
Google Certified Data Analytics Course 02/2022

Education

- Master of Science** Arizona State University Tempe, AZ, USA 01/2025 – Present
- Major in Business Analytics | GPA: 4/4
- Bachelor of Technology** Amrita Vishwa Vidyapeetham Coimbatore, India 07/2016 – 08/2020
- Major in Computer Science | GPA: 7.44/10
- High School** GGSK & Ilford Ursuline London, UK 08/2011 – 07/2016
- A*- B grades in GCSE's and A-Levels