**BALAJI RAJ VELUCHAMY**

[bvelucha@asu.edu](mailto:bvelucha@asu.edu) Sunnyvale, CA 94087 +1 (650) 450-8995 [www.linkedin.com/in/balajirajveluchamy](http://www.linkedin.com/in/balajirajveluchamy)

# PROFESSIONAL SUMMARY

Highly accomplished business analytics graduate with 4 years of experience in project management and business intelligence. Proficient in data analysis and reporting using Excel, PowerBI, and SQL. Skilled in supply chain optimization, project management tools, and statistical methods including regression analysis and time series forecasting. Demonstrated leadership in leading cross-functional teams, delivering impactful results through data-driven insights to optimize & achieve KPIs.

# SKILLS & ACTIVITIES

* **Technical Proficiency:** PowerBI, Excel, PowerPoint, SharePoint, Python, SQL, Microsoft Azure, SAP, Machine Learning, Jira, API.
* **Skills:** Project Management, Leadership, Team Collaboration, Statistical Analysis, Continuous Learning and Adaptability.
* **Interests:** Business Management, Documentation, Movies, Table Tennis, Melophile, Foreign Language & Skill Acquisition.

# EDUCATION

**W. P. Carey School of Business, Arizona State University** May 2024

Master of Science in Business Analytics Tempe, AZ, USA

* Big Data Analytics, Specific interest in Inventory & Logistics under Supply Chain Analytics. (GPA – 4.0/4.0)

**Sri Venkateswara College of Engineering at Anna University** May 2019

Bachelor of Engineering , Automobile Engineering Tamil Nadu, India

* Manufacturing Technology, Automotive Engines, Statistical & Operations Research. (GPA – 3.3/4.0)

# PROFESSIONAL EXPERIENCE

**Operational Excellence – Team Member - WCM** January 2021 – July 2023 *Saint-Gobain Glass Business India* Tamil Nadu, India

* Utilized Python in Jupyter for data cleaning and PowerBI for insights, focusing on defect impact analysis, resulting in a 55% reduction in Class 4 defects as part of the Agile methodology.
* Driven supply chain initiatives with cross-functional teams, utilizing root cause analysis, and implementing 80% of improvements in projects, optimizing overall efficiency and achieving a 3% reduction in manufacturing costs.
* Assessed cost reduction projects, focusing on KPIs, and contributed to achieving benefits through data analysis, business intelligence, and digitalization.
* Provided comprehensive training on 5S audits, Kaizen tools, and root cause analysis, achieving real-time decision-making and problem-solving capabilities among employees.
* Led the project for optimization of pile separators' inventory, utilizing workplace layout analysis techniques, resulting in a 40% reduction in forklift movements and improved lead time efficiency.

**Technical Assistant** July 2019 – December 2020

*Saint-Gobain Glass Business India* Tamil Nadu, India

* Achieved 98% accuracy for the site KPI Excel dashboard, enabling data-driven decision-making for operational efficiency.
* Led a value stream mapping (VSM) study, leading to a 30% productivity improvement and reduced lead time.
* Implemented TQM and VSM to decrease sand plant water consumption by 45%, showcasing lean methodologies.
* Deployed autonomous management methodology, empowering operators, and optimizing equipment performance.

# PROJECT EXPERIENCE [<https://github.com/BalajiRajVeluchamy0411>]

**Supply Chain Management : Excess Inventory Process Optimization at Teradyne Inc. – Capstone Project** April 2024

* Leveraged Python for in-depth analysis, merging datasets of demand, lead time, and excess inventory, and preprocessing attributes to create a new algorithm for data modeling.
* Optimized excess inventory by transitioning from a 12-month demand calculation to lead time-based demand calculations, visualizing outcomes using PowerBI for better interpretations, and reducing inventory holding costs and procurement expenses.

**Deep Learning : Restaurant Recommendation system & Sentiment Analysis** February 2024

* Led analysis of Yelp review data using NLP and machine learning, creating an algorithm to recommend popular restaurants by location. Developed a content-based recommendation system with sentiment analysis, enhancing customer satisfaction.

**Business Process : Optimization of Business proposal & Process Improvement** November 2023

* Led a Lean Six Sigma initiative at Gentech Business Solutions (Case Study), focusing on optimizing the Proposal Creation & Approval process. Improved SLA from 72.3% to 89%, resulting in a significant 1.92 billion revenue impact through DMAIC Methodology and root cause analysis leveraging PowerBI, SQL, Minitab & Tableau tools.