# Achyuthuni Sri Harsha

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Jai Jawan colony S.O post office, Keesara mandal,

Medchal District, Hyderabad, Telangana, 500062

# Work Experience

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| **Mu-Sigma: Decision Scientist** | October 2017 - Present |

Enabled international supply chain team of the world's largest retailer by improving their existing purchase order model using predictive and prescriptive analytics with revenue savings of 12 million dollars. Built the following end to end solutions from conceptualization to production:

1. Designed end to end classification model identifying the risk of a supplier not delivering an order in full
2. Improved the existing lead time predictions using a tree-based ensemble regression model
3. Optimised EOQ and reorder point using an integer programming model

Other successful projects for Fortune 500 clients

1. Formulated a POC to arrive at clean sheet costing of food products based on NLP and gradient descent. Created charts in Tableau to present the insights
2. Quantified the reasons causing under-stock scenarios in a store using hypothesis testing and ML
3. Built a prototype on time to place a new RFP for generic drugs using distance-based classification methods
4. Corroborated on large scale projects with technology and business partners from USA, Mexico and Argentina
5. Built the front end of an interactive web application for sourcing managers, buyers to make fast-paced informed decisions

Received a Mu Sigma Spot award for innovation in designing and building innovative solutions

# Education

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| Business Analytics and Intelligence   * Currently pursuing executive education in IIM Bangalore * Project: Creating a rewards and recognition program for life insurance client | Indian Institute of Management  Bangalore  2019-2020 |
| Bachelors of technology: Mechanical engineering   * Graduated with distinction and CGPA of 8.91 /10 * Averaged 9.5/10 in mathematics and statistics courses * Event coordinator for various events. Treasurer for SQE club | Amrita Vishwa Vidyapeetham  Bangalore campus  2013-2017 |
| Intermediate education:   * Secured 93.3% in the state board examinations (BIEAP) * Averaged 96.6% in mathematics courses | Hyderabad, Andhra Pradesh  2011-2103 |

# Technical Competencies

Worked on the following languages/tools

* Analytics: R, Python, CPLEX
* Data handling: SQL, Alteryx
* Visualization: Tableau, HTML, CSS, JavaScript

# Publications

* Harsha, A. S. (2020 Feb) Personal analytics: Time management using Google Maps. In *ICSADADS 2020* (Under publication)
* Harsha, A. S., Akhil, J., Nagaraja, S. R. et al (2017, Aug). [Parametric Study of Cantilever Plates Exposed to Supersonic and Hypersonic Flows](https://doi.org/10.1088/1757-899X/225/1/012047). In *IOP Conference Series: Materials Science and Engineering* (Vol. 225, No. 1, p. 012047)

# Certifications

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| **Course Name** | **Issuing org** | **Platform** |
| Data Engineering, Big Data, and Machine Learning on GCP | Google Cloud | Coursera |
| PH125.8x: Data Science: Machine Learning | Harvard University | HarvardX |
| Tableau 10 A-Z: Hands-On Tableau training for data science | Udemy | Udemy |
| Machine Learning A-Z: Hands-On Python & R in Data Science | Udemy | Udemy |

# Personal Information

Date of birth: 5th December 1995

Linguistic Proficiency: Telugu, English, Hindi

Interests and Hobbies: Reading, swimming, blogging