# Achyuthuni Sri Harsha

# *Data Scientist | IIM Bangalore | Mu-Sigma*

*Website:* [*www.harshaash.website*](http://www.harshaash.website)

*Phone no*: +919019413416

*Mail*: [achyuthuni.sri.harsha@gmail.com](mailto:achyuthuni.sri.harsha@gmail.com?subject=Contacting%20after%20looking%20at%20CV)

# Work Experience

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

Project: Walmart Supply chain analytics (impact $12 Million in a month)

* Technologies used: R, Python, SQL, CPLEX, Google cloud\*
* Collaborated with the technology and business units of Walmart Supply chain and market POC’s in the US, Canada, Mexico, Argentina and Chile
* Worked end-to-end from ideation to POC development to production
* Quantify the reasons for under-stock scenarios
  + Quantified the reasons causing understock scenarios using hypothesis testing and machine learning techniques to give directional insights and obtain the high impact factors
* Identify the risk of a supplier to deliver an order in full
  + Built a classification model using boosting to determine the risk of a supplier to deliver a purchase order in full
  + Deployed the solution on cloud and created workflows to predict the risk daily
* Forecasting inbound lead time of vendors
  + Developed a regression model using random forest to predict the inbound lead time of a purchase order
  + Deployed the solution on cloud and created workflows to predict lead time daily
* Optimising inventory at store and warehouse
  + Optimised EOQ and reorder point using an integer programming model
  + Formulated and validated the approach under the Senior Director of Supply chain of Walmart
  + Currently under testing for a sample market

Other 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. Built a prototype on time to place a new RFP for generic drugs using KNN classification method
3. Developed the front end of an interactive web application for sourcing managers, buyers to make fast-paced informed decisions

Additional responsibilities:

1. Mentored three batches of young analysts (5 in one batch) on analytical problem spaces like demand forecasting and customer churn prediction
2. Took sessions on hypothesis testing and linear regression to different classes (30 people in a class)
3. Served as point of contact for pitching and showcasing Mu-Sigma capabilities in supply chain analytics

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

# Technical Competencies

Worked on the following languages/tools

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

# Education

|  |  |
| --- | --- |
| Business Analytics and Intelligence   * Currently pursuing executive education in IIM Bangalore * Project: Creating a rewards and recognition program for a 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 |

# Publications

* Harsha, A. S. (2020 Feb) Personal analytics: Time management using Google Maps. In *ICSADADS 2020*
* Harsha, A. S., et al. (Under publication) Purchase order optimisation
* 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)

# Personal Projects

* Designed and maintains [www.harshaash.website](http://www.harshaash.website). Publishes blogs on topics related to the basics of analytics and exciting day to day use cases of analytics.
* Created dashboards which explain analytical concepts on shinyapps.io

# Certifications

|  |  |  |
| --- | --- | --- |
| **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