

# Visveshwar Nagarajan

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## Education

### **CORNELL University**, Ithaca, NY

Master of Engineering in Engineering Management, Dec 2019

Courses: Computational Optimization, Advanced Data Analytics, Decision Analysis, Statistical Programming, Project Management

### **ANNA University**, Chennai, India

Bachelor of Engineering in Mechanical Engineering, May 2017

GPA: 8.5/10, **CTS Best Outgoing Student**, **Indian Government CCRT Scholarship**

## Technical Experience

### **TVS Group**, Madurai, India

*June 2017 – May 2018*

#### **Graduate Engineering Trainee**

- Collaborated with **McKinsey & Company** as the single point of contact for two 5-month projects
- Developed a Distributor Management System by perusing the Tire sales data and extensive Market research data
- Lead a team to implement “Predictive Maintenance” for all the critical equipment using the machine sensor data. Used the K-Nearest Neighbors Algorithm to classify the data. Built a Supervised Machine Learning model for predicting the break-down
- Project Area: **Marketing Analytics, IOT Implementation, Machine Learning**. Tools used: MS Excel, Python, SQL
- Highlights: Increased the average monthly Tire division sales from **0.7 to 1 Million units**

### **Ford Motor Company**, Chennai, India

*Jan 2017 – March 2017*

#### **Project Intern**

- Executed a Six-Sigma project to reduce Surface Quality Issues of the Inner door panel in Ford Ecosport car
- Used **Statistical Tests** and **ANOVA** along with **Cluster Analysis** for establishing the relationship between the variables
- Used **Optimization** methods such as Linear Programming for minimising the defects. Tools used: Minitab, Matlab, R
- Highlights: Reduced the defects from **20 PPM to less than 3 PPM**

### **Ashok Leyland Limited**, Chennai, India

*June 2016 – Aug 2017*

#### **Data Analyst Intern**

- Worked on a **Telematics Analytics** project to analyze the vehicle sensor data of a Truck (Model No: 1618 4X2 Tipper)
- Analyzed the vehicle data which comprised 40 vehicle parameters including Tire pressure, Engine Speed, Fuel level, Wear and Tear, Location, Braking Characteristics, etc. and built a Multivariate Regression model for calculating the Driver Performance Index
- Project Area: **Connected Car Fleet Management, Big Data Analytics**. Tools used: MS Excel, R, Tableau, SQL, SAP Lumira

## Specialized Skills

Programming Languages: **Python, R, SQL, C, C++**

Data Analysis/Visualization: **MS Excel, Tableau, Minitab, Matlab, LaTeX, Adobe Photoshop, Infographics, SAP Lumira**

Certification: **Six Sigma Yellow Belt**, Languages: Proficient in **English** and **Tamil**, Beginner in **Hindi & German**

## Presentation Skills

### **Public Speaking and Compering**

- Master of Ceremonies for Business Reviews of TVS Group Companies *June 2017 – May 2018*
- Conducted a workshop on “Applications of Data Analytics in a Process Industry” for 150 undergrad students

### **Paper Presentation**

Winner of the “Best Presentation” award at the International Conference on Quality through Innovation

### **Stage Performer**

*Aug 2008 – Present*

- All India Radio certified musician and have performed **945 Professional Concerts** in 10 years - [www.flutevisveshwar.com](http://www.flutevisveshwar.com)
- Won 4 National Awards including the “**Award for Vocational Excellence as a Child Prodigy**”, given by the Rotary Club

## Leadership Experience

**Career Services Committee Head**, Engineering Management, Cornell University

*Aug 2018 – Present*

**Student Association President**, SSN College of Engineering

*June 2016 – May 2017*

**Student Chairperson**, Industry Institute Partnership Cell, Chennai

*June 2016 – May 2017*

**Editor**, Department of Mechanical Engineering Newsletter, SSN

*June 2015 – May 2017*