**Manu Sreekumar**

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**SUMMARY**: Motivated Masters in Data science Student with 5+ years of experience developing automation software and quality assurance of mission critical financial software. Strong critical thinking, communication and leadership skills with a deep-rooted passion for data driven analytics.

# EDUCATION

**Masters of Science: Data Science** Illinois Institute of Technology Aug 2017 – present

**Bachelor of Technology:** Federal Institute of Science and Technology Aug 2008 - Jun 2012

**Electrical and Electronics**

# WORK EXPERIENCE

# Tata Consultancy Services Business Analyst, Automation Engineer Nov 2012 – May 2017

# SKILL SET

**Languages**: Expert in Python, R and SQL. Proficient in Scala, Java, C#, C, C++.

**Databases:** Expert in MySQL and PostgreSQL. Proficient in HBase, MongoDB, Pig, Hive, Cassandra.

**Tools/Platforms**: Solid experience in Microsoft Azure, HDFS, Apache Spark, SAS, Gephi, Tableau

# PROJECTS

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**Telecommunications Big Data Analysis, Illinois Institute of Technology**

Identified interaction patterns of key stations and demographics in the city of Milan using Spark GraphX in Azure Platform to upgrade the current infrastructure for business growth

**Public Safety Crime Analysis, Illinois Institute of Technology**

Built Classification Model in R using Logistic Regression and Random Forests. Built web app using R Shiny to forecast criminal incident hotspots with 78% accuracy.

**Fake News Identification in Reddit, Illinois Institute of Technology**

Created Prediction model to identify Fake News posts with 86% accuracy using text mining and network analysis. Employed SVM feature selection and Naïve Bayes classification using Python Sci-Kit Learn.

**Hybrid Automation Framework, Tata Consultancy Services**

Successfully lead project team towards development of GUI automation framework in Unified Functional Testing platform using VBA. Reduced quality assurance costs for American express software releases by 30%.

# AWARDS AND CERTIFICATIONS

“**Bravo award**” (For Outstanding Dedication and Service), American Express Clients

“**Competent Communicator and Leadership Certification**”, Toastmasters International

# ADDITIONAL DETAILS

**Past President of Toastmasters Club**, TCS Charter, Kochi.

**Acting and Playwriting** - Won numerous accolades for acting and directing plays.