**Manu Sreekumar**

Chicago, IL – 60616 | 603-205-5986 | msreekumar@hawk.iit.edu [|](https://www.linkedin.com/in/manu-sreekumar-772b353a) <https://www.linkedin.com/in/manu-sreekumar>

**SUMMARY**: Masters in Data science Candidate with 5 years of experience in automation and project management.

# EDUCATION

**Masters of Science: Data Science** Illinois Institute of Technology Aug 2017 - May 2019

**Bachelor of Electrical Eng.** Federal Institute of Science and Technology Aug 2008 - Jun 2012

# WORK EXPERIENCE

# Graduate Teaching Assistant Illinois Institute of Technology Aug 2018 – Present

Responsible for preparing lecture materials, grading assignment and handling lectures for Big Data Technologies

# Lead Software Analyst Tata Consultancy Services Nov 2012 – May 2017

Successfully lead project teams for developing automation products and quality assurance of critical financial product releases for American Express. Highly Skilled in people management, communication and business knowledge.

# SKILL SET

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

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

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

**Others**: Expertise in Frequentist, Bayesian Statistical Modelling and Predictive Analytics

# 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 and determined key areas of improvement for enhancing 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 large scale automation framework for testing core business functionalities using HP - UFT . 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. Won Numerous prizes in **Acting** and **Playwriting.**