

Manu Sreekumar

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SUMMARY: Masters candidate in Data science. Interning with Uptake Technologies in industrial data analytics. 5+ years of software development experience in Banking domain. Passionate about developing data driven solutions to generate actionable insights.

EDUCATION

Masters of Science: Data Science	Illinois Institute of Technology	Aug 2017 – May 2019
Bachelor of Technology: Electrical and Electronics	Federal Institute of Science and Technology	Aug 2008 – June 2012

SKILL SET

Languages:	Python (NumPy, SciPy, Pandas, Scikit Learn), R (tidyverse, rcpp), Scala, Java, C#, SQL, C, C++
Databases:	Ambari, Hadoop, MapReduce, HBase, MongoDB, Pig, Hive, Cassandra, MySQL, PostgreSQL, Neo4j
Tools/Platforms:	Microsoft Azure, AWS, Apache Spark, GraphX, Gephi, Docker, OpenCV, TensorFlow
Certifications:	Competent Communicator and Leader Certifications - Toastmasters International.

ACADEMIC PROJECTS

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| Lincoln Park Camera Trap Analytics, Illinois Institute of Technology | Jan 2019 – May 2019 |
| <ul style="list-style-type: none">Improved the Image Analytics Tool for Urban Wildlife Research and rolled out version 2.0 for tagging animal imagesEmployed FastAI Pytorch with classification accuracy of 87% and time savings in manual tagging by 80%. | |
| Telecommunications Data Analysis using Spark, Illinois Institute of Technology | Aug 2017 – Dec 2017 |
| <ul style="list-style-type: none">Modelled Graphs for analyzing interaction strength using Spark GraphX in Microsoft Azure platform for the city of Milan.Implemented graph operations like Page Rank, Aggregated Messages to identify key stations and interaction patterns. | |
| Public Safety Crime Analysis of Illinois Tech, Illinois Institute of Technology | Jan 2018 – Apr 2018 |
| <ul style="list-style-type: none">Conducted an in-depth data exploration of public safety and weather data for Illinois Tech for three-year time period.Built classification models for predicting serious crime incidents using Decision Trees and Random forests with 87% accuracyEmployed R for web scraping, data munging and deployed the model using RShiny to visualize crime hotspots. | |
| Fake News Identification in Reddit Platform, Illinois Institute of Technology | Jan 2018 – Apr 2018 |
| <ul style="list-style-type: none">Conducted social network analysis of Reddit Posts to understand the key characteristics of fake news propagation.Extracted user karma points, activities, subreddits, comments, upvotes and relevant posts information using PRAW Python API.Applied Natural Language processing on Labelled News and built prediction models using Sci-kit Learn with 89% accuracy. | |

WORK EXPERIENCE

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| Data Science Intern, Uptake Technologies | Jan 2019 – May 2019 |
| <ul style="list-style-type: none">Gathered specific use cases across industry verticals and developed tool packages using R for faster data assessment routinesMerged multiple data sources, performed data analysis and delivered actionable insights on improving production runtime.Combined expert rules and machine learning for building predictive maintenance models for industrial IOT. | |
| Software Engineer / Lead, Tata Consultancy Services | Nov 2012 – July 2017 |
| <ul style="list-style-type: none">Successfully delivered mission critical production enhancements projects for American Express banking software platformResponsible for the R & D of hybrid automation framework that resulted in the project cost savings of 300K during a fiscal yearTrained over 50 in-house software engineers and clients on automation frameworks, project management and communication | |

AWARDS AND RECOGNITIONS

- Second prize** in TCS – Amex Hackathon, Tata Consultancy Services
- “Bravo award”** (For Outstanding Service), American Express Clients

ADDITIONAL DETAILS

- Computer Science Teaching Assistant** at Illinois Institute of Technology for Big Data Technologies graduate course.
- Past President of Toastmasters International**, TCS Kochi. Conducted public speaking training sessions for professionals
- Acting and Playwriting** - Won numerous accolades for organizing street dramas and plays.