

Sreejith Menon

SOFTWARE ENGINEERING · DATA SCIENCE

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Education

University of Illinois at Chicago

Chicago, IL

M.S. IN COMPUTER SCIENCE WITH THESIS

Aug. 2015 - May. 2017(Anticipated)

- Course-work: Machine Learning, Applied Artificial Intelligence, Data Mining and Text Mining
- Cumulative GPA: 4.0

University of Mumbai

Mumbai, India

B.E. IN COMPUTER ENGINEERING

Aug. 2009 - May. 2013

- Cumulative GPA: 4.0

Experience

University of Illinois at Chicago

Chicago, IL

GRADUATE RESEARCH ASSISTANT

May. 2016 - PRESENT

- Performed research to identify a predictive population estimation model using photos shared on social media under the collective advice of Prof. Tanya Berger-Wolf (UIC) and Emre Kiciman (Microsoft Research).
- Mentored 3 undergraduate students from UIC in a project to infer if stripe-patterns in zebras are inherited.

University of Illinois at Chicago

Chicago, IL

GRADUATE TEACHING ASSISTANT

Jan. 2016 - May. 2016

- Assisted Prof. Douglas Hogan for Introduction to Computing and Programming(C++) course in the CS department.

J.P.Morgan Chase & Co.

Mumbai, India

TECHNOLOGY ANALYST

July. 2013 - July. 2015

- Built high performance real-time data-warehousing solutions using Abinitio in conjunction with Bash scripting.
- Pioneered in remodeling a load strategy that conserved over 2000 CPU and 100 human hours per month.
- Awarded the title of Subject Matter Expert for enabling the team to achieve tight service level agreements by formulating solutions that required a deep understanding of both functional and technical aspects of the project.

Projects & Thesis

Animal Wildlife Estimator using Social Media

Python3, R, Folium, sklearn,
skimage, PyMongo, urllib2, plot.ly

GITHUB.COM/SMENON8/ANIMALWILDLIFEESTIMATOR

Oct. 2015 - PRESENT

- Formulated a population estimation model for endangered animals using pictures mined from various social media platforms.
- Implemented and evaluated metrics for different machine learning algorithms in Python3 to predict the likelihood of an image being shared on social media based on various image, ecological as well biological features.
- Implemented middleware in Python to scrape wildlife images from Flickr, EXIF and beauty features of the scraped images were extracted using libraries implemented in R.
- Interpreted and quantified different levels of self-reporting or behavioral bias, location bias that are introduced in social networks while sharing wildlife pictures.

SF Park Assist Simulator

Python3, Google Maps API

GITHUB.COM/SMENON8/SFPARKRESOURCESEARCHSIM

Jan. 2016 - Apr. 2016

- Engineered real-time algorithms for searching available parking spots in San Francisco bay area using Python that adapt to both deterministic and probabilistic environments.
- Boosted the worst-case performance of the algorithms by 34% compared to baseline algorithms.

Twitter Sentiment Classification

Python3, sklearn, nltk, matplotlib

GITHUB.COM/SMENON8/TWITTERSENTIMENTSCLASSIFICATION

Aug. 2016 - Nov.2016

- Designed and engineered different learning techniques for classifying sentiments for a Twitter dataset.
- Built various multi-class text classifiers that delivered promising F-scores and very high precision-recall metrics.