CHAITHRA K . C

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# EDUCATION

## MASTER OF SCIENCE APPLIED DATA SCIENCE May 2023

**Syracuse University - School of Information Studies Syracuse, New York** Relevant coursework: Introduction to Data Science with R (R-Studio), Business Analytics (Statistics, Excel, Access, Tableau, MS Power BI, Google Analytics), and Data Analysis and Decision Making (Statistics using Excel), Applied Machine Learning, Applied Deep Learning, and Natural Language Processing.

CGPA: 4.0/4.0

## BACHELOR OF ENGINEERING COMPUTER SCIENCE Jun 2015

**Jain University Bangalore, India**

Relevant coursework: Principles of Programming Languages, Java & J2EE, Data Structures, Algorithms, Database Management Systems, Data Mining, Business Intelligence, Design Patterns, Unix System Programming, Linux Internals CGPA: 9.56 / 10

# EXPERIENCE

## Graduate Teaching Assistant, Information Technologies, Syracuse University, New York Aug 2021 – Present

● Facilitate weekly labs to 30-40 undergraduate students

● Notified students about project due date using Google Mail Merge

● Enhanced Linux, AWS Cloud Computing, and Security labs to reflect the concepts taught in the lecture

## Senior Software Engineer, [Envestnet Yodlee](https://www.yodlee.com/), Bangalore, India Mar 2018 - Sep 2020

* Developed data quality tools in Java to validate holding and transaction data veracity and extrapolate missing financial details based on patterns observed with other users
* Modified sequential to a multi-threaded application to process millions of investment accounts and transactions per day
* Implemented Netflix-Ribbon load balancer to achieve fault tolerance and distribution of application traffic
* Implemented POC for determining suitable database for the project among OLTP (Oracle DB), Mongo DB, and Apache Kudu based on query performance
* Provided Mongo DB support for the project that includes designing Collections, designing Mongo documents, Indexing Collections, and Configuring Spring repositories to query from the application

## Software Engineer, [Envestnet Yodlee](https://www.yodlee.com/), Bangalore, India Jul 2015 - Feb 2018

* Built web crawlers using Java Selenium APIs to aggregate users' financial data and personal information from banking websites
* Created PDF parser for retrieving data from bank statements using Python PDFMiner text extraction tool
* Implemented regex validator using Java regular expressions for validating PII (Personally identifiable information)
* Performed peer code review and mentored a few new joiners

# ACADEMIC PROJECTS

**News Summarization** ([GitHub Link](https://github.com/chaithrakc/News-Summarization)) **Mar 2022 - Present**

* Aim of the project is to generate short descriptions of news articles using various Deep Learning techniques – T5 Transformer, Encoder & Decoder with LSTM models, and NLP techniques to generate meaningful summaries

**Hotel Booking Cancellation Prediction** ([GitHub Link](https://github.com/chaithrakc/hotel-booking-cancellation-prediction)) **Nov 2021 - Present**

* Aim of the project was to provide data driven solutions using machine learning techniques to reduce cancelations for hotels located in cities and resorts and maximize revenue and profits

# TECHNICAL SKILLS

**Programming Languages**- Python, R, Java, SQL, PL/SQL, NoSQL, HTML

**Python Libraries**- Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, NLTK, Spacy, Keras, Tensorflow, Gensim, Beautiful Soup, PDFMiner

**Databases**– MySQL, and Mongo DB

**Tools & Utilities**- Tableau, Advanced MS Excel, MS Access, Perforce, Git, Maven

**IDE Tools**– Google Colab, PyCharm, Jupyter Notebook, R-Studio, Eclipse, Intellij

**Design Patterns** *-* Singleton, MVC, DAO, DTO

**Java Libraries & Framework**- Spring Boot, RESTful web services, Selenium, Jsoup, Apache Kafka, Log4j, Junit, Mockito

**Web Application Servers**- Tomcat, Jetty, Undertow

# ACHIEVEMENTS

* Received Spot Award in Q4-2019 for load testing of CRUD operations in a multi-threaded application
* Won third position in Garagefest-2017 and second position in Innologue -2017 hackathons
* Received Gold Medal and Rank Certificate for academic performance in undergraduate