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# Education

## University of North carolina at charlotte, Charlotte, NC Aug 2018-Dec 2019

* Master of Science in Computer Science GPA: 3.65/4
* Coursework: Algorithms & Data Structures, Machine Learning, Computer Vision, Cloud Computing, Big Data Analytics, Knowledge Data Discovery and Intelligent Systems.

## FR. conceicao rodrigues college of engineering, Mumbai, India AUG 2014-MAY 2018

* Bachelor of Engineering in Information Technology GPA: 3.52/4
* Coursework: Object Oriented Programming, Web Technology, Software Engineering, Operating Systems, Database Systems.

# Technical Skills

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| **Programming languages:** | Python, Java, SQL, C++, ASP.NET, VB.NET. |
| **Web Technologies:** | HTML5, CSS3, PHP |
| * **Software and Platforms:** | Visual Studio, Jupyter, MySQL, PostGre SQL, NetBeans, Eclipse, AWS, Power BI, Microsoft Azure DevOps, Apache web server, Android Studio, Node.js, Git, REST. |
| **Development Methodologies:** | AGILE, SCRUM**.** |

# Professional Experience

**SOFTWARE DEVELOPER INTERN | SUPERIOR GROUP OF COMPANIES,** TAMPA, FL **JUN 2019 – PRESENT**

* Automated the recruitment process of the company, developed a notification system which sends an email to the respective manager whenever an application is submitted which in turn saves time and helps to assess every individual applicant.
* Resolved the bugs and errors and developed a functionality in the SCRUM portal to upload weekly sprint of individual developers through excel sheet. Thus, saving approximately 15-20 minutes of each developer daily.
* Designed the database, stored procedures and triggers for the IPACtool, a project for the client “Inmar”.
* Created web apps for the company’s dev-ops team to track the progress of their current project.
* **Technologies used: SQL, ASP.NET, JavaScript, Visual Basic.**

# Projects

**KEY PERFORMANCE INDICATOR ANALYSIS JAN – APR 2019**

* Implemented LDA topic modelling to extract words which are related to the Employee or Society KPI.
* Performed data-cleaning using NLTK package WordNetLemmatizer and eliminated digits, special characters or stop words.
* Used tokenization & vectorization to tokenize and then convert the data into numerical form using sklearn packages.
* Evaluated word frequency of the required word-set in each individual document using tf-idf method.
* Successfully achieved a **72.72% accuracy** on implementing the classification module (Random forest Classifier) to classify documents which included Employee or Society KPI’s from the given data of academic and business papers.
* **Technologies Used: Python, Sci-kit Learn, NLTK, Regular Expressions. [**[Project Documentation](https://github.com/nisarg1496/Key-Performance-Indicator-Analysis/blob/master/Project_2_Report.pdf)]

## Book Recommendation System aug – Dec 2018

* Developed a system which provides different types of recommendations based on book author, publication, ratings, location, age that in turn enhances the quality of information provided by system. (use tech words)
* Performed various stages of data-cleaning on the Books-Crossing training dataset.
* Trained the model with the cleansed Books-Crossing dataset.
* Constructed and implemented the KNN Algorithm and Item-Based Collaborative filtering models. (Use clustering word)
* **Technologies Used: Python, Sci-kit Learn, Tensor flow. [**[Project Documentation](https://github.com/nisarg1496/Books-Recommendation-System/blob/master/Book-Recomendation-System-master/Project%20Proposal.pdf)]

**TRACKING OF INDIVIDUAL PACKAGE FOR INDIAN RAILWAYS (NATIONAL LEVEL PROJECT) JAN – APR 2017**

* Built a system that tracks the package which was booked through Indian Railways using QR code scan technology.
* The major modules developed in the project were Client-side website for tracking, mobile application for scanning the QR codes and Web Scraping backend process to scrape the real-time status of the trains.
* Implemented Web Scraping using Python, QR module and developed the Client-side website for tracking.
* **Technologies used: Python, HTML, CSS, PHP, SQL, Java**. **[**[Project Documentation](https://github.com/nisarg1496/Individual-Parcel-Tracking-for-Indian-railways/blob/master/7893/Project%20Description.pdf)]

# Certifications

* **Neural Networks and Deep Learning –** [**Coursera**](https://www.coursera.org/account/accomplishments/verify/ELJETPNV9XDZ)