Sthanu Ramakrishnan

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♦ Junior Data Scientist ♦ Quantitative researcher ♦ Effective communicator ♦ Team Contributor ♦ Flexible ♦ Innovative ♦ Willing to relocate ♦

EDUCATION

➤ **Master's in Data Science and Business Analytics**   Aug 2018 - Dec 2019
  The University of North Carolina at Charlotte, NC   GPA: 4.0
    Relevant Coursework : ✓ Business Intelligence and Analytics ✓ Big Data Analytics for Competitive Advantage ✓ Visual Analytics
    ✓ Big Data Design, Storage, and Provenance ✓ Advanced Business Analytics ✓ Applied Machine Learning ✓ Graduate Econometrics

➤ **Bachelor of Engineering in Civil Engineering**   Aug 2011 - May 2015
  Anna University, Chennai, India   GPA: 4.0 (3rd Rank in Department)

PROFESSIONAL EXPERIENCE

➤ **Pre-College Student Teacher** at Center for STEM Education, UNC Charlotte   Sept 2018 - Present
  - Teaching Calculus Mathematics to High School Students, Fast Math Problem Solving techniques to Middle School Students.

➤ **Software Analyst** at **F**idelity National **I**nformation **S**ervices   Dec 2015 - July 2018
  FIS Global Business Solutions India Pvt. Ltd., Chennai, India   [www.fisglobal.com]
  - Worked in the '**Decision Solutions**' line of business, that helps banks to decide account opening eligibility of potential customer by running algorithms on past data.
    o Performed Business Analytics in Scrum team for rewriting an existing banking application. Developed Web applications that can read and create 100k batch records in seconds. Tested Data Quality. Team Lead for Environment Change Verification.
  - Worked in the '**Prepaid Payment Solutions**' team which provides service to customers of banks and financial institutions.
    o Data Scripts coding, Stored Procedures development & testing, created SQL Queries for Statistics reports in Microsoft SQL Server. Followed Agile Methodology. Presented the Star of Month and Star of Quarter awards of Agile Kanban team.

PROJECTS

❖ Big Data Analytics for Insurance Claims Management: Performed **Exploratory Data Analysis** on 100K claim records and its 2.5M transaction records. Visualized the results in Tableau and created Regression models using SAS Enterprise Guide.

❖ Visual Analytics for getting information on Flight Delays in US: Analyzed Flights Dataset of 6M records, performed **Statistical Analysis** and created an **Interactive Dashboard** in **D3.js** to visualize the performance of various airports and airline carriers.

❖ Predictive Modeling using SAS E-Miner and SAS Coding: Conducted **RFM Analysis** to target specialized offers towards specific customer groups. Determined the factors affecting the customers' choice to buy Organic Products using **Decision Tree**.

❖ Machine Learning and Emotion Analyses on Amazon Electronics Product Reviews: Ongoing Text Analytics project using **Natural Language Processing (NLP), Topic Modeling (LDA), Naive Bayes** and **Support Vector Machine (SVM)** Analyses in Python.

❖ Predicting voter turnout for 2020 Presidential Election in Charlotte using previous elections data: Current collaborative project to **find patterns** and affecting factors using **Clustering**, **Time Series analysis**, **Random Forest** and **Neural Network** models using R.

TECHNICAL SKILLS

❖ Programming Languages : Python, R, SAS, Stata, JavaScript, SQL, PL/SQL, Java, C, C++, Unix Scripting, Excel VBA
❖ Databases : Microsoft SQL Server, Oracle, MySQL, Apache Hive, NoSQL, Apache Spark
❖ Data Visualization : Tableau, D3.js, R Shiny, Python Libraries (Matplotlib, Seaborn), R Libraries (ggplot)
❖ Applications / Tools : SAS E-Guide, SAS E-Miner, Alteryx, Google Analytics, Microsoft Office, Adobe Photoshop
❖ Data Science Libraries : Scikit-Learn, NumPy, Pandas, NLTK, Gensim, spaCy, R(dplyr, caret, tidytext)

PUBLICATIONS

❖ Shaw, Jr., G., Sharma, T., & Ramakrishnan, S. S. (2019). Exploring diabetes and users' lifestyle choices in digital spaces to improve health outcomes. The 22nd Annual Conference of the Southern Association for Information Systems, St. Simons Island, GA.

CERTIFICATIONS & HONORS

❖ **Certified Foundation Level Tester** accorded by **ISTQB** - International Software Testing Qualifications Board.
❖ Completed **Business English Certificate - Higher** of **Cambridge University, UK**.
❖ Conferred the "**Best Outgoing Student Award**" for all-around performance in the undergraduate course at Sona College of Technology, India.

MANAGEMENT SKILLS

❖ Operating as **Treasurer** of **Data Science Institute** - Student Organization, UNC Charlotte from Aug 2018.
❖ Serving as the **Secretary of Technology** - Graduate & Professional Student Government (**GPSG**), UNC Charlotte from Sep 2018.
❖ Spearheaded the **IQ Club** of Sona College of Technology as its **Chairman** for the academic year 2014-15.

* Certifications, MOOCs attended, Testimonials, Project Works and Coding Experiences can be found at sthanurk.ml, Linkedin and Githhub.com/sthanurk.