

AYUSH PRAMOD KUMAR

akumar21@syr.edu | <http://linkedin.com/in/ayushpkumar> | (315) 395-4738 | <https://ayushpkumar.com>

OBJECTIVE

A self-starter individual, coming from software development background. Looking for an opportunity in Data Science role to apply my data wrangling, modelling, visualization, analysis and statistical skills and add value to the team.

EDUCATION

Syracuse University, School of Information Studies, Syracuse, NY

May 2020

Master of Science in Information Management, Certificate of Advanced Studies (CAS) in Data Science

Relevant Coursework: Business Analysis, Information Visualization, Natural Language Processing, Information Management & Technology, Project Management, Big Data Analytics, Data Analytics and Decision Making, Information Policy, Risk Management, Strategic Management, Data Warehousing

SRM University, Engineering School, TN, India

May 2015

Bachelor of Technology in Information Technology

Relevant Coursework: Web systems and Technology, Professional Ethics, Information System's Management

WORK EXPERIENCE

Data Analyst at JOB-IQ | iConsult Collaborative

May 2019 – January 2020

- Lead the front-end application development team and devised the user interface to enhance user experience
- Performed data extraction; utilized data modelling and statistical analysis techniques to boost algorithm's result
- Applied various algorithms like step down multi-linear regression, TF/IDF, LDA to rank the results for the application

Programmer Analyst at Cognizant Technology Solutions

September 2015 - April 2017

- Exhibited excellent communication and presentation skill by representing the product in Banking Client's Exhibition
- Collaborated with R&D team: collected and analyzed market scenarios for a model management product
- Devised and developed various KPI's for the clients to enable ease of study of data
- Analyzed abstracted financial data for creating models for predicting credit risk, etc.
- Automated the Financial Modelling task by developing Analytical Model Management Portal for clients cutting process time by 95%

ACADEMIC PROJECTS

Corona Virus Dashboard | Data Wrangling and Analytics (<https://ayushpkumar.shinyapps.io/CoronaVirusDashboard>)

March 2020

- Retrieved the data from sources periodically and manipulated it for the dashboard
- Visualized the data using different plots to ease the process of understanding the data
- Devised and developed various functions to make the dashboard dynamic in order to provide updated statistics
- Analyzed the data in order to provide different KPI's such as Recovery Rate, Death Rate, etc.

Fudgeflix & Fudgemart Datawarehouse | Data Warehouse

March 2020- Present

- Identified functional and business requirements for the client to construct data warehouse
- Implemented the business process into the data warehouse using modelling and ETL pipelines
- Reduced transaction time by 50% and developed BI Dashboard for presenting actionable insights

Image Classification | Big Data Analytics (<https://github.com/ayushpkumar/ImageClassification>)

August 2019- December 2019

- Resized the images in the dataset to enable them to train the classifiers
- Accomplished important features using HOG (Histogram of Oriented Gradient) to pass to the training model
- Applied Machine Learning and Deep Learning Algorithms like SVM and CNN etc. to classify the images and train the model
- Achieved 77% prediction accuracy with SVM Model and 83% prediction accuracy with CNN Model

Generating Paraphrase Resource using News Tweets | Natural Language Processing

January 2019- April 2019

- Analyzed existing paraphrasing resource PPDB, DIRT
- Generated our own resource of paraphrasing data with 82% accuracy
- Presented the research and finding to students of the Engineering Department at Syracuse University

Real Estate Database | Database Management

August 2018- December 2018

- Developed and maintained the housing database for rent and sale of properties by property owner
- Devised the attributes, Entity Relationship Diagram and developed the triggers and stored procedures for the database synchronization
- Led the team of three members towards successful completion of project on time

Analysis of United States Airline | Data Science

August 2018- December 2018

- Alleviated the analysis process by refining the dataset of the airline
- Implemented descriptive analysis including graphs
- Delivered actionable insights by devising and processing the data using models like NPS, SVM, and Linear Model

TECHNICAL SKILLS & PUBLICATIONS

Publications: *Evolution and Development of DBMS in Software Development Industry* in Journal of Emerging Technologies and Innovative Research (JETIR- November 2017) with K. Chauhan and A. Kohli
Improved Routing Security in Wireless Mobile ADHOC Network in International Journal of Engineering Research & Management Technology (IJERMT-March 2015) with S. Khurana under guidance of Prof. Pandey

Data Visualizations: Qlik View; Tableau; R; MS Excel; Shiny R; Power BI

Analytical Acumen: Lemmatization; TF-IDF; LDA; NPS; Regression; Sentiment Analysis; Prediction; SVM; Excel Analytics; CNN

Databases: SQL; Oracle; IBM DataStage; MS Access; NoSQL; MongoDB; **Data Warehouse:** SSIS

Programming/Scripting Skills: Java; Python; R; **Big Data Tools:** Hadoop; Apache Spark; PySpark

Graphics Software: Adobe Photoshop; Adobe After Effects; Adobe Illustrator

Web Technology: Spring Framework; Hibernate; jQuery; HTML; CSS

Management Software: MS Projects; Microsoft Jira; Trello

Platforms and API: Databricks; Big Query API; Google Collab

LEADERSHIP EXPERIENCE

General Chairperson | Cultural Fest, SRM University

- Managed a team of 150 students working towards events and administration for successful completion of the event
- Obtained permissions from various departments (Entertainment, Fire, Tax) for hosting an event inside the city

Front-End Lead | JobIQ, iConsult Collaborative

- Lead the front-end team for acquiring better usability, accessibility of the portal
- Devised the front-end user interface using adobe illustrator for better understanding of the components