

# AYUSH PRAMOD KUMAR

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## 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

GPA : 3.750

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
- Devised a ROLAP database to be used as the Data Warehouse and MOLAP cubes with time dimension using SSAS
- Developed SSIS packages in MS Visual Studio using SSDT to automate the ETL process for over 500,000 rows of data
- Optimized Sales and Order Fulfillment dashboards to be updated every 15 minutes, improving performance by 75%

**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