AYUSH PRAMOD KUMAR

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WORK EXPERIENCE

Data Analyst at iConsult Collaborative   *May 2019 – January 2020*
- Built the UI for project by collaborating with cross-functional teams, leading and tracking the work through completion
- Proposed usage of NoSQL database in place of traditional database to optimize process and resource usage
- Extracted data by mining from different API's for feature selection and Principal Component Analysis to reduce the runtime by 70%
- Applied various algorithms such as step down multi-linear regression, TF/IDF, LDA to rank results for the application
- Boosted algorithm's result by tuning hyper-parameters of the model to better rank results for the user by 35%

Programmer Analyst at Cognizant Technology Solutions   *September 2015 - April 2017*
- Exhibited communication and presentation skill by representing developed product in Banking Client's Exhibition
- Collaborated with R&D team: collected and analyzed market scenarios for a model management product
- Formulated and developed various KPI's for product to reduce the learning time at analyst's end by 50%
- Scrutinized 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%

PROJECTS

Corona Virus Dashboard | Data Wrangling and Analytics   *March 2020*
- Retrieved data from sources periodically and manipulated it for dashboard
- Visualized data using different plots to ease the process of understanding the data
- Conceived various functions to make dashboard dynamic in order to provide updated quantifiable data
- Analyzed data in order to provide different KPI's such as Recovery Rate, Death Rate, etc.

Fudgeflix & Fudgemart Datawarehouse | Data Warehouse   *March 2020- May 2020*
- Identified functional and business requirements for client to construct data warehouse
- Implemented business processes into data warehouse exercising modelling and ETL pipelines
- Devised a ROLAP database to be expended as 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   *August 2019- December 2019*
- Managed rescaling of images in dataset to train classifiers in an optimized way
- Accomplished important features using HOG (Histogram of Oriented Gradient) to pass to SVM training model
- Applied Machine Learning and Deep Learning algorithms in order to classify images and train model
- Achieved 77% prediction accuracy with SVM Model and 83% prediction accuracy with CNN Model

Generating Predicate Paraphrase Resource using News Tweets | Natural Language Processing   *January 2019- April 2019*
- Investigated existing paraphrasing resource PPDB, DIRT to invent a better resource
- Queried twitter API via Twitter Search, extracted news to generate data resource for project
- Generated independent resource for paraphrasing data with 82% accuracy
- Presented research and finding to students of the Engineering Department at Syracuse University

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

TECHNICAL SKILLS & PUBLICATIONS

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

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

LEADERSHIP EXPERIENCE
Student Advisor | Master Student Advisory Board
- Served as a peer-facilitator for new graduate students, arranged campus tours and ensured smooth transition into Syracuse Community
- Acted as point of contact for incoming international graduates for local campus grievances
- Collaborated with Admissions Office for induction of incoming international graduate students

General Chairperson | Cultural Fest, SRM University
- Managed 3 cultural-events in 2-year period under direct supervision of Director of the university
- Supervised the team of 150 students working towards events and administration for event
- Obtained permissions from various departments (Entertainment, Fire, Tax) for hosting an event inside city

Co-Founder | Fusion Group
- Mentored a team of 7 individual towards development and delivery of product to various clients
- Supervised the web-application development process across multiple projects
- Procured investments from local vendors in exchange for services provided by company to overcome product development cost
- Coordinated implementation of product at client's end by supplying engineers and initial setup at reduced cost
- Liaised between local ISP and clients to provide nominal rates for clients; led to increase in client-base for company