AYUSH PRAMOD KUMAR

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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: Database Management and Administration, Business Analysis, Information Visualization, Big Data Analytics, Data Analytics and Decision Making, Information Policy, Risk Management, Strategic Management, Data Warehousing, Project Management

SRM University, Engineering School, TN, India   *May 2015*
Bachelor of Technology in Information Technology

WORK EXPERIENCE

Data Analyst at iConsult Collaborative (Syracuse University)   *May 2019 – January 2020*
Developed the Job-IQ Portal for Syracuse University's career services office, enabling the student body to make informed decisions for optimized job search. The portal was meant to customize job search and interview questions based on several criteria. It used ML to guide the search and served as a tool for interview preparation as well. We had a student user base of 25K+ students across all disciplines and degrees.
- Developed the module that scraped data from varied job boards/API like Indeed, Glassdoor using python
- Collaborated with the Data Science team to provide inputs on feature selection for accelerating the model selection process.
- Lead the frontend UI development team of 5 interns to plan, develop and deploy the end to end design and ensured it was mobile compatible
- Team followed Scaled Agile Methodology for the entire project and as Scrum master I facilitated the scrum meetings to keep things at pace
- Influenced the technology selection process and lead the charge for usage of NoSQL databases, in place of traditional relational SQL, to optimize the processes and resources.

Software Engineer at Cognizant Technology Solutions   *September 2015 - April 2017*
Developed the Model Eye, one stop application to help banks make the transition from using disparate tools to grown models to a single platform. It's automated workflow and governance tools, coupled with its collaboration and automated alert mechanism makes it's the preferred model risk management platform. We had a user-base of 8K across all the banking clients of the company.
- Collaborated with different teams: collected and analyzed market scenarios for the portal
- Scrutinized abstracted financial data in order to provide suggestion for prediction model
- Formulated and developed various KPI's for the product dashboard, to help the user to understand the customer's behavior
- Connected with perspective stakeholders, presented the project demo and provided clarification

PROJECTS

COVID-19 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% and translating data into actionable insights.

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
- Identified that CNN works better with 83% accuracy than SVM with 77% prediction accuracy

TECHNICAL SKILLS & PUBLICATIONS

Programming/Scripting Skills: Java; Python; R; **Big Data Tools:** Hadoop; Apache Spark; PySpark
Databases: SQL; Oracle; MS Access; NoSQL; MongoDB; **Data Warehouse:** SSIS
Data Visualizations: Qlik View; Tableau; R; MS Excel; Shiny R; Power BI
Analytical Acumen: TF-IDF; Regression; Sentiment Analysis; Prediction; SVM; Excel Analytics; CNN; Time Series Forecasting; ARIMA
Platforms and API: Databricks; Big Query API; Google Collab **Packages:** Pandas; Numpy; Scikit-learn, MatplotLib

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 public space in 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 the 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