

AYUSH PRAMOD KUMAR

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EDUCATION

Trine University, Phoenix, AZ

Present

Master of Business Administration

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

KEY SKILLS

- **Data Warehousing & ETL Development:** Expertise in designing, building, and launching data pipelines using tools like SQL, Python, and AWS services
- **Data Visualization:** Proficient in creating dashboards with Tableau, Power BI, and internal tools to present key insights
- **Cross-functional Collaboration:** Strong experience in working with engineers, product managers, and data scientists to define and execute data strategies
- **Metrics Development:** Skilled in designing KPIs and data models to monitor performance, optimize processes, and improve SLAs
- **Data Privacy & Compliance:** Adept at implementing controls to ensure security and compliance with data governance standards

WORK EXPERIENCE

Business Intelligence Engineer II at Amazon.com

August 2022– Present

- Designed and implemented scalable data models and visualizations for monitoring middle and last-mile operations, reducing delivery delays by 70%
- Developed and maintained ETL pipelines to automate data flows, improving efficiency and supporting optimization of delivery processes
- Partnered with stakeholders to define Service Level Agreements (SLAs) for critical datasets, ensuring data quality and availability
- Collaborated with cross-functional teams to gather requirements, ensuring accurate metrics and actionable insights for operational improvement
- Created utilities using Python to optimize ETL workflows, mentoring peers on efficient query design and data processing
- Built and launched data pipelines from scratch to identify inefficiencies, streamlining delivery performance

Business Analyst II at Amazon.com

June 2021– Aug 2022

Part of Seller Protection and Services Team, where I developed various metrics to help in curbing Buyer Abuse at Amazon

- Designed metrics and dashboards to identify and mitigate buyer abuse, reducing policy violations and concessions by 12%
- Engineered a data excellence framework, decreasing pipeline runtime by 60% while enhancing reliability and scalability
- Independently developed data extraction and transformation processes to support key initiatives, ensuring compliance with privacy and security protocols
- Conducted weekly business reviews, translating complex data into actionable insights for leadership
- Partnered with engineers and product teams to design solutions for detecting identity fraud, leveraging advanced analytics for policy enforcement

Deployment Engineer at Guardhat Inc. (Aatmunn)

August 2020 – June 2021

Deployed and developed contact tracing solutions for various clients on behalf of the company making it possible for the company to be listed under TIME's 100 and best innovation startup for 2020, which enabled the company to acquire series B funding from prominent VC's.

- Developed solution to extract data from UWB Devices making it possible to get the solution on the market for the industrial workers using python
- Managed clients and client locations for deployment of the product at client location training them for the same
- Created solution for the deployment team to troubleshoot the product in-case of a problem, Filling the gaps in the product
- Created visualizations for the data collected, enabling the clients to successfully perform contact tracing amidst COVID19, thereby saving their business from the wrath of pandemic
- Served as a POC for Engineering and Deployment team filling the communication gap between the different pillars of the company

Data Analyst at iConsult Collaborative (Syracuse University)

May 2019 – August 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.

Programmer Analyst 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