

# JAGMOHAN

Syracuse(13210), NY, USA | +1-(412) 983 9789 | jagmohan@syr.edu | <https://www.linkedin.com/in/jagmohan/>

## EDUCATION

### **Syracuse University**

**Syracuse, NY**

*M.S. in Information Management specializing in Data Science, GPA : 4.0*

*August 2021 - Present*

- Coursework: Data Science, Project Management, Business Analytics, Information Technology Management, Management for Information Professionals, Communication for Information Professionals, Data Analytics and Decision Making, Information Policy, Data Administration Concepts, and Database Management

### **Manav Rachna University**

**Faridabad,Haryana**

*Bachelor of Technology in Computer Science, GPA : 3.8*

*July 2016 - July 2020*

Coursework : Cloud Computing, Data Structures, OO Programming, Software Engineering, Distributed Systems, Operating Systems,Big data Analytics

## WORK EXPERIENCE

### **Tata Consultancy Service**

**Bangalore,Karnataka**

*Associate System Engineer Trainee*

*November 2020 - August 2021*

- Worked as a part of Cloud Engineering team in the Microsoft Business Unit.
- Implementing Solutions in Azure cloud for managing applications and running on multiple platforms using PowerBi,PowerApps,etc.
- Involved in Backing up and Recovering an Azure Virtual Machine from a Recovery Vault and Azure Site Recovery Services. Having a good knowledge of Understanding of Express Route, Network Security Groups, Storage Accounts, and Storage Explorer and Azure Architecture.
- Worked with Business Strategy team to build long term product roadmap by generating and managing 50 Product Backlog Items and documentation

### **Website Sketchers**

**New Delhi**

*Data Analyst/Software Developer*

*October 2019 - November 2020*

- Built web application and API's to provide access to secure and confidential data based on client role and access using Agile/Scrum methodologies.
- Performing CRUD operations. Building,extracting and managing pipelines and designing efficient ETL(Extract,Transform,Load) workflows for analyzing and generating insights.
- Managed agile team of 10 in development of continuing upgrades, as well as created and prioritized user stories.
- Organized, tracked, and managed biweekly Sprint with project team via Airtable and developed a project charter according to requirements of the organization including business case, scope, stakeholders, deliverables, management constraints, potential risks, and quality management approaches
- Analyzed Python Modules to design Python programs leveraging a subset of data types and leveraging assignment, method calls and manipulate several core data structures.

## PUBLICATIONS

- **Middleware Integration:** Published a paper by Mantech publications on Middleware Integration includes an Introduction to SOA/Middleware/ESB concepts, Various IBM tools available for Middleware Integration (IBM Integration Bus, IBM Datapower, IBM MQ) and comparison of different middleware tools

## PROJECTS

- **PREDICTING HOTEL BOOKING CANCELLATIONS ACROSS GLOBE:** The objective of the project was to answer business-specific questions, derive insights from global hotel bookings data, and provide recommendations to business people. Insights were derived using Box Plots, Bar Charts, Frequency Plots, Geographic plotting of different variables on the world map, Unsupervised Machine Learning & Supervised Machine Learning. Programming was done using R. Various libraries like caret, kernlab, tidyverse, ggplot2, rworldmap, arulesviz were used to generate the visualizations & create machine learning models. Support Vector Machine & Linear Model were used for predictive analytics.
- **ADMIN DASHBOARD:** Created Admin dashboard in PHP for CRUD (create/read/update/delete) operations,Designed a system that would gather and collaborate data and automate that stored data.
- **FACE RECOGNITION PROJECT:** Built Face recognition project' using Python (Numpy, OpenCV, Haar cascade) and used that for security in the college.Analyzed a dataset for 5000 images for 11 people with training, testing and validation split of 70:20:10.
- **LIBRARY MANAGEMENT SYSTEM:** Built a digital library for college and optimized database performance by 75% by making data entry and retrieval much smoother and accurate.
- **HEALTH FUEL:** Created fitness app Health Fuel' using Android studio (Java) as well as Android API. The app used to record an individual's BMI and other health details in order to provide a personalized experience of fitness.

## SKILLS

- Programming Languages: R, Python,C, PHP, Javascript, XML,HTML,UNIX
- Databases: MySQL, Oracle SQL Developer,NoSQL
- Tools : PowerBi, PowerApps,Microsoft Azure,Google cloud,Microsoft Excel (Regression, forecasting, 3D maps, pivot tables, Solver optimization, Vlookup
- Data Visualization: Tableau,PowerBi,Microsoft Excel VBA,R (ggplot2)
- IDE: Netbeans, Eclipse, JetBrains PyCharm, IDLE, Rstudio,Android Studio,Jupyter

## CERTIFICATIONS

Business Models and Entrepreneurship Certification, National Program on Technology Enhanced Learning (NPTEL)(Aug 2019-Oct 2019)

Introduction to Internet of Things (IoT) Certification, National Program on Technology Enhanced Learning (NPTEL)(Jul 2019-Oct 2019)

Azure Certifications: AI100,AZ900,PL900

## EXTRA CURRICULAR ACTIVITIES

- Engaged in conference NITI Aayog and Global conference addressed by the Prime Minister of India.
- Got a first prize under Robotics Workshop in building a Bluetooth controlled Robot.