

Rahul Thaker

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| Rahulthaker.com | [Tableau](#) | <https://github.com/rahulthaker>

Education

University of Illinois at Urbana-Champaign

Aug 2022 - May 2024

Master of Science in Information Management

Coursework: Data, Statistical Models; Data Warehousing, Business Intelligence; Information consulting

K.J. Somaiya Institute of Engineering and Information Technology

Aug 2018 - June 2022

Bachelor of Technology in Computer Engineering

CPI: 9.25/10

Coursework: Applied Data Science; Distributed Computing; Database Management Systems; Machine learning; Applied Mathematics; Social Media Analytics; Artificial Intelligence; Big Data analytics

Skills

Languages: Python, SQL, R, C, C++, HTML, Javascript

Frameworks: Pandas, Numpy, Matplotlib, Flask, OpenCV, TensorFlow, PyTorch, Keras, Scikit-learn, MongoDB

Tools: Tableau, Git, AWS, Heroku, Postman, Google Data Studio, Jupyter Notebook, Excel, MS Office Suite

Certifications: IBM Data Science Professional, IBM Artificial Intelligence Engineer

Experience

National Center for Supercomputing Applications | UIUC, Illinois | Graduate Research Student

Aug 2022-Present

- Develop a course specific chatbot using ODQA framework with a team of 11 students
- Implementing Natural language processing models, text-DaVinci API from Open AI and hugging face models
- Integrating and understanding natural language understanding platforms like IBM Watson and Dialogflow

Teach For India | Mumbai, India | Data Engineer Intern | IEEE paper

Aug 2021- May 2022

- Streamlined the data collection process and directly connecting the Salesforce database to the analytics solution which eliminated the need for Excel sheets
- Automated the process of analysis, visualization and generating reports and published a paper titled 'Statistical analysis, ETL automation and Intelligence Reporting' at the CONIT conference by IEEE Bangalore
- Improved the accuracy of the selection model by 30% by generating new insights and statistical co-relations

Pingzee, ZeeQ | Noida, India | Data analyst Intern

Sept 2020 – Jan 2021

- Developed a real-time reporting system with the ability to recommend changes based on behavior of infrastructure using analytics libraries like Pandas, NumPy and visuals using the scripting layer of Matplotlib
- Performed Time-series data analytics of backup metadata using Seasonal ARIMA model
- Automated the process of generating highlights, alerts and notifying the clients using Simple Mail Transfer Protocol (SMTP) connection and creating Multipurpose Internet Mail Extension (MIME) objects

Semantics Solution | Mumbai, India | AWS Intern

July 2021 – Aug 2021

- Understood the client needs and implemented IAM roles and policies using JSON notation
- Created and configured VPCs, Subnets, ACLs and route tables based on the requirements of the solution
- Deployed solutions based on the right set of EC2 compute, storage and database services

Projects

Neutralit – Twitter Sentiment Analysis

- Twitter sentiment analysis daily using the Twitter API and Python natural language processing libraries, creating visuals using matplotlib and seaborn and generating reports for trending topics
- The website is deployed on <http://neutralit.herokuapp.com/> and built using web development frameworks like JavaScript, HTML, CSS and a Django backend

Marketing Analysis – Saint Louis University

- Processed and gathered data from social media including attributes like clicks, costs per click, reach etc.
- Saved Rs 7500+ monthly of a small-scale company called Globalshala by analyzing more than 20 different marketing campaigns and performing Exploratory and explanatory data analysis
- Led a group of 5 members and presented the research and findings to the shareholders

Result analysis – Data Analytics Pipeline for Automation

- Developed a Web API based on Flask to analyze semester results, provides customized visuals and reports based on the input parameters by directly utilizing the PDF file given by Mumbai university
- Currently being used by K.J. Somaiya Institute of Engineering and Information Technology faculty to write SQL queries, generate graphs and create reports saving the faculty, resources and manpower

Leadership and Teaching Experience

- Grader for the 'Foundations of Data curation' course offered by the computer science department at UIUC
- Chief Executive Officer of American Chemical Society at KJSIEIT 2021-22
- Organizing head of Computer Society of India at KJSIEIT 2020-21