

SAHIL RAJENDRAKUMAR RAUT

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EDUCATION

Rutgers University – New Brunswick, New Jersey

May 2023

Masters in Computer Science

Courses: Intro to Artificial Intelligence, Mathematical Foundation of Data Science, Introduction to data structure and algorithm.

University of Mumbai, India

May 2019

Bachelor of Engineering in Information Technology

CGPA: 8.64/10

Courses: Data Mining and Business Intelligence, Computer Graphics and Virtual Reality, Data Structures and Algorithms Analysis, Advanced Database Management Systems, Soft Computing, Big Data Analytics, intelligent Systems, Cloud Computing.

PROFESSIONAL EXPERIENCE

Ernst & Young India (S.R Batliboi & Co LLP), Data Analyst (Python, SQL, Tableau, Alteryx, Power BI) Aug 2019 – Aug 2021

- Analyzed data sets with more than 50 million-line items generating visualizations and insights, identifying outlier, prediction the trends and custom reports assisting in auditing priority clients.
- Incorporated Computer Science, Modelling, Statistics, ETL, Data Science and Machine Learning algorithms to innovate and develop tools which increased the efficacy and functionality of processes.
- Won the spotlight award for contribution to the project EY DIGI BRAT which secured an international level development funding and won the EY Lighthouse project award from EMEA (Europe, Middle East, India and Africa) region.

TECHNICAL SKILLS

Languages and Databases: Python, Java, JavaScript, SQL, R, C, C++

Libraries: NumPy, Pandas, Scikit, Math, Matplot, NLTK

Frameworks and Tools: Android, Anaconda, NumPy, Pandas, Tableau, Alteryx, Power BI, Unity 3D, Vuforia, Blender

Web Technology: PHP, HTML, CSS

CERTIFICATION AND PUBLICATIONS

- Published technical research papers at 1st International Conference on Efficacy of Software Tools for Mathematical Modelling (ICESTMM'19)
1: ARchitect: Augmented Reality Application for Architect's Portfolio
2: Placement Data Anatomization Using Tableau
- Udemy:** Artificial Intelligence, Microsoft Power BI, R Level 1, Tableau 2020, Machine Learning Courses
- Coursera:** Introduction to Machine Learning

PROJECTS

EY Digi BRAT - Bank Reconciliation and Anomaly detection Tool (OCR, NLP, Python, SQL, Alteryx) Aug 2019 - Mar 2021

- Our team executed and implemented Digi BRAT tool which reconciles bank's statement and ledger transaction using an exhaustive rule engine consisting of 25+ rules.
- Incorporated Optical Character Recognition and Natural language processing for conversion and highlighting perilous entries. Updated and improved the tool to increase efficacy of 120+ clients covering about 1400 bank accounts.

EY Skew Remover (Data Cleansing for large datasets)

(Alteryx, SQL)

Apr 2020 – Oct 2020

- Spearheaded in developing and designing the skew remover tool targeting the skewed data present in datasets.
- Devised advance analytical logic using Alteryx's automation that increased the efficiency and accuracy of removing skew.

Architects: An Augmented Reality Application for Innovative Marketing of Architect's Portfolio

Apr 2019

- Implemented 3D models of the Architect's Building, floor plan, furniture using Blender and Unity.
- Integrated marker less technology to view and transform the 3D model. Designed user interface with the capability of scanning the Architect's portfolio image and exhibit the 3D model of the project on user's screen using Vuforia Licensing.
- Developed Android app using Android Studio, Android SDK and Unity.

Sentimental Analysis on Country Relations Using Twitter API

Jul 2018

- Analyzed tweets from President of countries for sentimental analysis using Natural Language Processing.
- Interpreted and classified the tweets and coded the logic in Python using the Tweepy library to access tweets from twitter and tested the NLTK library for performing sentimental analysis.

Travel Diaries

Apr 2017

- Created a website that provides information to the user of destinations around the world known for the scenic beauty, tradition and nature using HTML5, CSS, PHP and JavaScript.

EXTRACURRICULAR ACTIVITIES

- Vice Chairperson - Information Technology Students Association Committee. Jun 2017- May 2018
- Facilitated in Versova Beach Clean-up drive through Social responsibility cell and National Service Scheme.