Sameer Sanjay Amesara

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EDUCATION

Dalhousie University   Sept. 2023 – Jan. 2025
Master of Applied Computer Science (MACS)   *Halifax, NS, Canada*

Maharaja Sayajirao University of Baroda   July 2017 – May 2021
Bachelor of Engineering in Computer Science — CGPA: 9.04/10.0   *Vadodara, GJ, INDIA*

COURSEWORK

Data-Structures and Algorithms, Computer Organization, Computer Networks, Operating Systems, Database Management System, Software Engineering, Object Oriented Programming.

EXPERIENCE

Systems Engineer   July 2021 – July 2023
Tata Consultancy Services   *Pune, MH, INDIA*
- Using technologies like Big Data, Hadoop, Scala, Spark, Hive, and Java while working as a Big Data Engineer.
- Analyzing, organizing and combining raw data from different sources.
- Hands-on Experience with building Spark/Python based Data Pipelines.
- Framed and Optimized SparkSQL queries for Data Aggregation.
- Developed Python code for creating Airflow DAGs used to monitor the triggered jobs.

Front-End Developer Intern   May 2021 – July 2021
Maharaja Sayajirao University of Baroda   *Vadodara, GJ, INDIA*
- Designed Academics module for selecting the courses for particular branch or a stream in Engineering or Commerce using AngularJS, Microsoft SQL Server and Java.

Web Developer   Aug. 2018 – Aug. 2019
PRERNA - The Emancipation   *Vadodara, GJ, INDIA*
- Designed a static website for a social event using HTML, CSS, JavaScript and Bootstrap.
- Lead a team of 5 for the website development.

PROJECTS

Comparison of various ML models for Stock Price Prediction 🔗 | *Machine Learning, Python*   Apr. 2021
- Evaluated and compared various machine learning models like LSTM, CNN, SVM, Linear Regression, and Random Forest for Stock Price Prediction
- Performed Sentimental Analysis on News Headlines using VADER lexicon.

MediLap - Search Medicine on the Go 🔗 | *ASP.Net, Microsoft SQL Server, Bootstrap*   Nov. 2020
- Designed a Web Application for getting information regarding particular medicine or a medical store where the medicine would be present in the city.

SRS for Face Identification System 🔗 | *Software Engineering*   Oct. 2019
- Created a Software Requirements Specification (SRS) documentation incorporating the use of Life Cycle Models, Functional and Non-functional Requirements, Data-flow, and UML diagrams

TECHNICAL SKILLS

Languages: Java, C/C++, Scala, Python.
Frameworks: Hadoop, Spark, Pyspark, Hive, SparkSQL, MapReduce, Airflow, AngularJs, Bootstrap, ASP.Net, MySQL, Microsoft SQL Server
Developer Tools: Git, VS Code, Visual Studio, Postman, Eclipse

PUBLICATIONS

Stock Price Prediction Using Sentimental Analysis on News Headlines 🔗   Apr. 2022
- Evaluated and compared deep learning algorithms such as Long-Short Term Memory (LSTM) and Complex Neural Networks (CNN) for estimating stock prices with and without sentiment analysis