RISHABH SRIVASTAVA

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EDUCATION

Stony Brook University
Master of Science (M.S) in Computer Science — Jan 2021 - May 2022
Coursework: Operating System, Network Security, Visualisation, Smart Energy
Teaching Assistant: Object-Oriented Programming - Java

BIT, Bangalore, India — Sep 2012 - Jun 2016
Bachelor of Engineering in Computer Science | *Silver Medalist (state of Karnataka)*

PROFESSIONAL EXPERIENCE

Microsoft Corporation, Hyderabad, India — Nov 2016 - Dec 2020
Data and Artificial Intelligence Team | Backend Engineer

Connected Vessel

This project aims to achieve the expected degree of bunker optimization where tools, technology, and processes achieve a shared reality between on-vessel and offshore personnel.

- Developed and managed microservices using Azure Service Fabric, responsible for fetching data from other services using service remoting and messaging queue, processing and then storing it to Cosmos DB.
- Developed reliable stateless Web-API which is used for creating charts and graphs for websites accessible by offshore personnel.
- Implemented Caching Mechanism (Redis Cache) to reduce the response time of WebApp.

Connected Common Data Platform (CCDP)

This project aims to build a data platform that ingests data from different sources, transforms and publishes the transformed data to other layers, consumed by applications for reporting and analysis purposes.

- Worked on Apache Hadoop with Hive as a data warehouse to store data from different markets and created hive scripts for scrubbing PII data, cleaning, transforming, and publishing it to the reporting layer.
- Developed tool for auto-generation of scripts for Tables and Views creation.
- Managed a team of engineers responsible for creating business analytics reports and automating deployment.

Customer Experience Decision Platform (CXDP)

This project aims to create a platform tailored for the banking industry, which provides a personalized advertisement-based decision engine for users.

- Developed and managed Activity API, which is used for logging user activities to decision engine in near real-time.
- Developed a platform to handle the Ad-hoc list process which updates customer and product attributes on the CXDP platform using the Spring framework.

SKILLS

Languages	C++ with STL (4 years), C (1 year), C# (4 years), Golang (1 year), Python (2 years), and Java (Spring framework) (1 year)
Architecture Style	Microservice using Azure Service Fabric (2 years) Big-Data using Apache Hadoop and Azure Databricks (2 years)
Databases	SQL, Azure CosmosDB (NoSQL)
Web Technologies	JavasScript, React.js, Node.js, ASP.Net, ASP.Net Core, HTML, CSS
Framework/Libraries	Unix System Programming, Socket Programming in C
Cloud Services	Azure

PROJECTS & ACHIEVEMENTS

Azure Machine Learning Studio Demonstration (AMLS) for Energy Prediction

(Best project - Smart Energy, Spring-2021)

- Developed and deployed an end-to-end machine learning solution using AMLS that predicts the electricity load demand based on the energy usage history of a house and local weather data.

NetApp Storage Boot Camp Certification Program

- Learned basic features and functions of Data ONTAP 7-Mode and Clustered Data ONTAP operating systems, basic storage concepts such as aggregates, RAID groups, volumes and LUNs, basic NetApp hardware components including storage systems and shelves and configure NAS and SAN protocols on Data ONTAP storage virtual machines.
- Successfully completed the requirement to be recognized as a [NSO-145] NETAPP CERTIFIED STORAGE ASSOCIATE.

Project on Data Mining and Machine Learning using Python

Sentiment analysis of reviews for aspect score calculation and classification.

- Developed a system that helps end-users in deciding the best restaurants or hotels in his/her area based on aspect priorities.
- Analyses reviews from different domains (Zomato, Trip-advisor, Amazon) and automatically extracts aspects from them.
- Calculates aspect score, overall entity score and classifies it into positive, negative, or neutral class and ranks the result as per end-user's aspect priority.