

Sulaiman Ghouse Mohiuddin

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SKILLS

Languages: C#, Python, Java, SQL, HTML, CSS, JavaScript

Frameworks/Modules: .Net Core, Entity Framework, Bootstrap, Razor, React, Numpy, Pandas, Sci-kit Learn, TensorFlow, NoSQL, Azure Data Factory, Hadoop, Spark, Airflow, Docker, REST

Agile: Confluence, Jira, Scrum, Git

Certifications: Azure Data Fundamentals (DP-900), Azure Fundamentals (AZ-900)

WORK EXPERIENCE

Systems Developer

May 2022 – April 2023

Ericsson, Ottawa, Canada

- Collaborated with a cross-functional team throughout the software development life cycle of the Ericsson Indoor Planner (EIP) web application, including analysis, design, coding, testing, integration, and maintenance; optimized project efficiency and ensured successful delivery.
- Upgraded and enhanced over 20 Rest APIs, tables, and test cases to accommodate a shift from single building to campus use cases, resulting in a 40% increase in system versatility.
- Created standalone scripts that reduced manual work by 70% for test case password updates and streamlined log generation and distribution.
- Led the research and development of a progress bar feature improving user experience and reducing wait times by 20%.
- Proposed optimizing system functionality by deactivating and reactivating code components and implementing it, reducing system resource usage by 10%.
- Singlehandedly modernized a CPRI capacity calculation system, automating CPRI Link Capacity calculations for over 15 carrier types and IQ paths, saving an average of 15 minutes per calculation.
- Solved a Hackathon challenge to create an application to reduce data parsing time by 60%, improving data processing efficiency for the company.

Technologies: C#, Python, Java, .Net Framework, ASP.Net, Entity Framework, HTML, CSS, JavaScript, React, Azure.

Systems Engineer

August 2019 – August 2021

Infosys Ltd, Bangalore, India

- Led the migration of automated jobs from the legacy job scheduler 'Automate' to Airflow, creating over 15 workflows to efficiently orchestrate ETL jobs and developing, testing, and deploying 10+ automation scripts, reducing fault rates by over 30%.
- Revamped a monitoring dashboard improving monitoring capabilities for over 25 workflow pipelines, 30 SQL worklist jobs, and scheduled tasks reducing manual intervention by 40 %.
- Successfully resolved production issues for 7 business-critical applications, ensuring uninterrupted operations and delivered analytical reports to senior leadership, offering valuable insights and data-driven decision support.

Technologies: C#, Python, AWS, Azure, PowerBI, DataBricks, PySpark, OracleDB, SQL Server, Jira, Airflow

Systems Engineer Intern

January – May 2019

Infosys Ltd, Mysore/Mangalore, India

- Launched a Web Application allowing clients to view and manage knowledge transition by providing a platform to schedule, reschedule, track, and provide feedback for the transition along with map-based tracking with different profiles for Managers, Employees, and Clients.
- **Technologies:** C#, .Net Core, .Net MVC, .Net API, Entity Framework, HTML, CSS, JavaScript (jQuery), Razor.

Software Developer Intern

June – July 2018

Subex - NMIT Collaborative Research Group, Bangalore, India

- Developed a comprehensive bus tracking system by integrating low-cost IoT components to collect real-time location data, which is then uploaded to the cloud. Designed a mobile app using Blynk, featuring pre-defined location and speed components to provide continuous monitoring by displaying data fetched from the cloud.

EDUCATION

Master of Engineering, Systems and Technology

McMaster University, Hamilton, Canada

GPA: 4.0/4.0

September 2021 - August 2023

Bachelor of Engineering, Computer Science and Engineering

Nitte Meenakshi Institute of Technology, Bangalore, India

GPA: 8.68/10

August 2015 - July 2019

PROJECTS

Diet Analyzer

August 2023

- Assembled 2 diverse datasets of 100,000+ food images each and utilized transfer learning to achieve an accuracy rate of 45% in food recognition using CNNs'.
- Extracted GPS coordinates from over 10,000 user-submitted food photos, successfully identifying restaurant locations in 90% of cases for precise meal-name matching.
- Devised an approach to apply NLP techniques to segment food descriptions and extract pertinent features, including food items and preparation methods, enhancing data accuracy and usability.

Wildfire Prediction

April 2023

- Developed a Wildfire Prediction Model using a 4-layered CNN and applied pre-processing techniques to achieve an accuracy of 58%.
- Demonstrated potential for early detection and prevention of catastrophic wildfires through evaluating alternative models including EfficientNetB0, ResNet50, VGG19, and InceptionV3 to achieve a remarkable accuracy of 96%.

Smart Home Positioning System

April 2022

- Spearheaded the development of an Indoor Positioning System within a Smart Home framework, successfully tracking the movement of 100+ smart watches using BLE stickers, yielding a 30% enhancement of health monitoring techniques for older adults.
- Pioneered a methodology to extract valuable insights from over 1 million data points, increasing data utilization efficiency by 40%, and transforming previously unused data into actionable insights.

Diabetic Retinopathy Prediction

December 2021

- Analyzed and predicted the chances of the presence of diabetic retinopathy with data pulled from a Diabetic Retinopathy Debrecen Data Set using Linear Discriminant Analysis and Random Forest classifier.
- Evaluated the models using Backward Search and PCA to achieve performance accuracy of 76% using LDA.
- Applied LDA, KNN, and SVM for performance evaluation and achieved a classification accuracy of 74%.

ACHIEVEMENTS

Rising Star Award

Infosys Ltd.

- Certificate of appreciation awarded for excellent contribution by a fresher in FY21.

Insta Award

Infosys Ltd.

- Recognition Awarded for valuable contribution to Application Development for the Retail Industry.