

PROFILE SUMMARY

With four years of industry experience at the intersection of product, growth, and data, focused on developing accessible, human-centered products. Recognized for a creative and collaborative approach, strong sense of responsibility, and meticulous attention to detail, while driving innovative solutions.

SKILLS

- Web: Angular, React, Streamlit, JS, HTML, CSS
- Backend: C#, .NET, Flask, Python, Node
- Databases: MySQL, MongoDB
- Cloud: AWS, Azure DevOps
- Containerization: Docker
- Data Processing: Apache Spark, Kafka
- Data Visualization: Microsoft Power BI

EDUCATION

P.G certificate in Software Engineering for Data Science, 2022 - 2023  
International Institute of Information Technology, Hyderabad

B.E In Electronics and Communication, 2016 - 2020  
JSS Science and Technology University, Mysuru.  
CGPA: 9.13/10

PUBLICATIONS

Indoor Navigation Assistant for Visually Impaired (INAVI)  
International Conference on Communication, Computing and Electronics Systems.  
[https://doi.org/10.1007/978-981-33-4909-4\\_17](https://doi.org/10.1007/978-981-33-4909-4_17)

SPECIALIZATIONS AND CERTIFICATIONS

- Data Structures & Algorithms [Udacity](#)
- Foundations of Front-End Web Development [Udemy](#)
- ES6 [Udacity](#)
- AWS Machine Learning Foundations 2022 [Udacity](#)
- Final Exam: Scrum Product Owner [Skillsoft](#)
- The Bible of Competitive Programming [Udemy](#)
- AI on cloud [Great Learning](#)
- Deep Learning [DeepLearning.ai](#)
- IoT and Embedded Systems Workshop [Keonics](#)

EXTRA CURRICULUM

- Awarded ‘Star of the Sprints 2024’ for professional contributions.
- Winner: IIITH, PGSEDS Hackathon (2022).  
Finalist: Hackerearth Aerothon (2023)
- Volunteer: ‘Save The Child’ NGO, ‘Project Rise’ NGO (2018-20), SHPL Veteran ERG.
- Served as school head and college head.

WORK EXPERIENCE

Design And Development Engineer

*Siemens Healthineers*

September 2020 - Present

- Implemented modular architecture for OSD Configurator and PED subsystems for ARTIS product line using **Node**, **Angular (Typescript)** with **NgRx** library.
- Developed and maintained Solution-level Defects/Metrics/Feature Analytics Data reports. Tech stack: **Python**, **Azure Services**, **Microsoft Power BI**, **MS Excel**.
- Contributed to **.NET** server code with **MySQL** integration via **Fluent NHibernate**.
- Automated server and client SSIT using **Selenium** and **Specflow (BDD)**.
- Involved in cross-functional team discussions and contributed to specifications documentation using **Enterprise Architect**, **SAP** and **Polarion**.
- Skilled in designing and implementing **Azure CI/CD build pipelines**.
- Proficient in **Scaled Agile methodologies** and **clean code principles**.
- Mentoring team by conducting workshops and knowledge transfer sessions.
- Developed ‘**Brain AVM Analyzer**’ algorithm using U-Net Deep learning model.

Intern

*Siemens Healthineers*

January 2020 – May 2020

- Automated On Screen display subsystem using **C#**, **Python** and **Selenium**, reducing manual testing efforts by about 90%

PROJECTS

Voter-CRM

Web application for IIITH’s Voter CRM Project. Tech & Tools: **AWS**, **Ubuntu**, **Streamlit**.

unfold

An open-source full-stack code generator. Tech & Tools: **Angular**, **Django**, **MySQL**.

best

Minimal UI for curated English song lyrics. Tech & Tools: **ReactJS**, **Glitch**.

Solar System Tour

Supported for Desktops. Tech & Tools: **Vercel**, **GSAP**, **JS**, **HTML**, **CSS3**.

Periodic Table

Tech & Tools: **Angular 8**, **Node**.

E-Commerce Firm Data Analysis

Tech & Tools: **MongoDB**, **Compass**

IOT Devices Data Analysis

Tech & Tools: **Spark SQL**.

Explainable AI using H2O

Explainability of different H2O bike rental prediction models. Tech & Tools: **H2O**, **Kaggle**

PCA and LDA

High dimensional data analysis with PCA and LDA. Tech & Tools: **Pandas**, **SkLearn**, **Seaborn**

RSA for Signature Verification

Tech & Tools: **Kaggle**, **pycryptodome**

Explore all my projects on GitHub: <https://github.com/syed-asif-mn>