Hafsah Hussain Ahamed

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EDUCATION

Singapore University of Technology and Design   **Sep 2023 to Present**
- *Bachelor of Engineering (Computer Science and Design)*
- Date of graduate: Apr 2027
- Fifth Row Activities: Google Developer Club, Muslim Society

Temasek Polytechnic   **Apr 2020 to May 2023**
- *Diploma in Information Technology*
- Director's List 2021/2022
- cGPA: 3.69/4.00
- Completed Modules in: Full Stack Web Development, Coding & Development, Database Application Development, Object-Oriented Analysis & Design, Data Structures & Algorithms, Data Visualization & Analytics, Data Mining & Business Analytics, DevOps

WORK EXPERIENCE

Accenture Pte Ltd   **Jun 2022 to Feb 2023**
Software Engineer Intern
- Enhanced visualization and analytics dashboards in QlikSense and implemented functions in the PEGA system to populate analytics databases (SQL).
- Liaised with users to gather requirements, prepared test plans, and conducted User Acceptance Tests (UAT).
- Conduct User Acceptance Tests (UAT) with users.
- Deployed fixes to production environment and created or updated documentation (FDS).

ACADEMIC PROJECTS

Learning Celebration Carnival Website
- Contributed to the development of a Svelte-based website for a SUTD ROOT event, providing event details and information.
- Automated the sign-up process using Microsoft Automate and optimizing the lucky draw system.
- Ensured database security when handling confidential data, collaborating with the team on secure data storage practices.

Automated Ticketing Web App
- Developed and automated solutions to enhance task recording and repetitive processes for operations and helpdesk teams.
- Simulated environment (Pega, SharePoint & QlikSense) using a MEAN stack website combined with Python and Tableau.
- Utilized Jenkins for CI/CD pipeline and Dockerized the MEAN stack application.

TodoBuddy Hybrid Mobile Application
- Created a hybrid to-do-list mobile app designed specifically for student use.
- Developed the Android version using Java in Android Studio and the Ionic version using Angular.
- Utilized Firebase & Firestore for the backend database, ensuring seamless data synchronization between platforms.
- Integration of Google Authentication and Push Notifications

LANGUAGES AND TECHNOLOGIES

- Technical Skills: Angular, Svelte, React, Java, MEAN stack, HTML, CSS, JavaScript, Typescript, C#, Python
- Cloud Services: AWS, Docker, Jenkins
- Database: MySQL, Microsoft SQL Server, MongoDB databases, Firebase, Firestore
- Data Visualization & Analytics Skills: Python, Machine Learning, KNIME, Power BI, Tableau, QlikSense
- Fluent in English

Awards/Achievements

2024: Top 10 Design Thinking Project in SUTD Term 3
2023: Top 10 Design Thinking Project in SUTD Term 1
2023: Edusave Skills Award 2023
2022: Edusave Certificate of Academic Achievement
2021/2022: Director's List
2019: Edusave Certificate of Academic Achievement