

Esfar Mohammad

Computer Science
Herbert Wertheim College of Engineering

+1-561-377-4741
mohammadeimmam.github.io
esfar500@gmail.com
LinkedIn Profile

EDUCATION

University of Florida

Bachelor of Science in Computer Science & Minor in Digital Arts and Sciences

Aug 2021- May 2024

EXPERIENCE

Deloitte

Solution Analyst, System Design and Engineering

2024 - Current

Lake Mary, FL

- Served a distinguished government client by designing and planning advanced, custom-built systems focused on **application modernization** and technological advancements. Delivered **scalable** and secure solutions aligned with stringent compliance standards, driving operational efficiency and fostering seamless integration across platforms.
- Applied an internal **AWS** certification to architect cloud-native solutions and enhance application reliability. Combined technical expertise with an internal **GitHub Copilot** certification to accelerate development, improve code quality, and deliver forward-thinking solutions within **agile** workflows

University of Florida, Enrollment Management, IT

Software Engineer, FWS Position

2021-2024

Gainesville, FL

- Designed and developed a fully interactive **Organizational Chart application** featuring live data integration, incorporating an administrative control system implemented using JavaScript and PHP.
- Created and implemented a comprehensive User **Speed Dial Management System**, serving **over 300+** phones, with an intuitive admin portal. Developed in PHP, this system allows administrators to efficiently manage various aspects, optimizing communication channels and significantly improving productivity and operational efficiency across the organization.
- Developed a dynamic **Email Signature Creation Tool** using **JavaScript**, with **PHP** integration for user data retrieval. This application generates custom email signatures, enabling users to easily create and apply them to their email platforms. A key feature includes the application's ability to adapt to any signature template, automatically generating relevant form fields and incorporating available user data.

Tow-2-Tow

Software Engineer Intern

2022

Gainesville, FL

- Spearheaded the development of a cutting-edge tow service application, utilizing **Flutter** and adopting the **BLoC methodology**, resulting in a user-friendly platform comparable to popular ride-hailing apps.
- Collaborated with a team of developers to architect and build a scalable tow truck service app, utilizing Flutter's BLoC pattern to handle complex business logic, enhance code reusability, and maintain a clean and modular codebase.

PERSONAL PROJECTS

PLC Language Compiler

A compiler built for a custom programming language for UF's Programming Language Concepts class / Java

2023

- Developed a custom programming language (PLC Language) and its compiler, focusing on **parsing**, **lexical analysis**, and **code generation**. This project emphasized the implementation of language features such as control structures, type checking, and image processing operations.

Emote-it

Emote It is an emoji-based social communication platform. | MERN | Available on the Internet.

2021

- The development procedure resulted in an enhanced comprehension of **REST API**, as well as improved understanding of **React** and **NoSQL** database concepts.
- The development procedure contributed to a reinforced understanding of programming logic, while also providing practical experience in visual and 3D development. Additionally, a solid comprehension of event-driven programming in Unity allows for the creation of immersive and interactive experiences.

TECHNICAL SKILLS

Languages: Java, C++, C#, Python, JavaScript, PHP

Developer Tools: JetBrains IDEs, Visual Studio, Blender, Unity

Database Platforms: OracleDB, MySQL, MongoDB, Firebase

Cloud Platforms: AWS

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Computer Science I & II
- Enterprise Software Eng.
- Intro to Machine Learning
- Computer Network Fundamentals
- Information and Database Systems