AMIN YAHYA SELHABI
SOFTWARE ENGINEER

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PROFILE SUMMARY

To secure a challenging software engineering internship where I can contribute my technical skills to develop innovative software solutions, while also refining my expertise and gaining invaluable hands-on experience. I am eager to actively participate in collaborative projects, learn from industry professionals, and leverage emerging technologies to transform complex ideas into practical, user-centric software solutions. Ultimately, my goal is to become a proficient software engineer capable of enhancing efficiency and improving user experiences in various industries.

EDUCATION

Bachelor in Software Engineering   Expected Graduation: 2024
University of Jeddah, Saudi Arabia

AWARDS AND HONOURS

Excellence Certificate 2022-2023 University of Jeddah

CERTIFICATES

Cyber Security:
- **eJPT v2:** I earned the eLearnSecurity eJPT v2 certification, demonstrating my expertise in penetration testing. This certification program equipped me with in-depth knowledge of essential penetration testing methodologies and techniques. By successfully passing the exam, I validated my ability to conduct penetration tests, identify vulnerabilities, and provide appropriate security recommendations.
- **Introduction to Cybersecurity Nanodegree:** I completed the Udacity Nanodegree: Introduction to Cybersecurity, gaining proficiency in essential cybersecurity skills. Through hands-on projects, I applied my knowledge in areas like network security, cryptography, secure coding, and incident response.

Deep Learning Specialization: I accomplished the Deep Learning Specialization on Coursera, acquiring expertise in a range of deep learning techniques. The specialization covered topics such as neural networks, convolutional networks, recurrent networks, and generative models. Through practical assignments and projects, I gained valuable hands-on experience in implementing and utilizing these techniques effectively.

SKILLS

- Proficient in Python, C/C++, C#, and Java for software development.
- Skilled in SQL for database management and querying.
- Experienced in using BASH for scripting and automation tasks.
- Familiar with low-level programming, specifically MIPS architecture.

LANGUAGES

- Arabic (Native)
- English (Proficient)

PROJECTS

Brokerage Information System
- I proposed a design for the Messaging Infrastructure layer of the new Brokerage Information System (BIS) for BizCo company. The objective was to select a pattern, instantiate it, and modify the architecture to fulfill the quality attribute requirements of the company.

Municipal Councils E-Voting System in Saudi Arabia
- The Municipal Councils E-Voting System is a software solution aimed at modernizing and streamlining the voting processes in Saudi Arabia's municipal councils. This project focuses on the crucial stage of requirement gathering, where the needs and expectations of the stakeholders are identified and documented. By gathering comprehensive software requirements, the system can be developed to effectively meet the unique demands of the municipal councils.

Online Parking Reservation for the University of Jeddah
- **Human-Computer interaction:** The project emphasizes Human-Computer Interaction principles to create a user-friendly interface for the online parking reservation system. The design focuses on usability, accessibility, and efficiency to ensure a seamless user experience. By considering user needs, preferences, and feedback, the system aims to simplify the process of reserving parking slots, enhancing user satisfaction and engagement.
- **Software Project Management:** The project incorporates Software Project Management methodologies to ensure the successful execution of the Online Parking Reservation System. It involves project initiation, planning, execution, monitoring, and control processes to deliver the system within the defined scope, timeline, and budget. Effective project management practices, including requirement gathering, system design and development, testing, deployment, and maintenance, are employed to meet the project's objectives and stakeholder expectations.

Airline Database Management
- Developed an airline database management system to ensure well-scheduled and accurate flight operations. The system allows passengers to book flights and generates specific tickets for each passenger across multiple airlines. With a focus on data accuracy and security, the database plays a critical role in storing and managing flight information, as well as handling staff and passenger details.

Employee Record Management System using LinkedList
- An Employee Record Management System is designed to store and manage employee information efficiently. In this implementation, a LinkedList data structure is utilized to store and organize the employee records.

Logical Digital Design, 3-bit multiplier
- A 3-bit multiplier is a digital circuit that performs the multiplication of two 3-bit binary numbers. It takes two inputs, A and B, and produces a 6-bit output representing their product.

Self-Examination GUI Application
- Developed a graphical user interface (GUI) application using Java that allows users to examine themselves in various subjects or areas of interest. The application provides a user-friendly interface for self-assessment and tracking progress over time.

Student Attendance App
- Developed a student attendance app to streamline attendance management in educational institutions. The app allows administrators to store and manage student information, track attendance, and make necessary edits when required.