

# Bavly Fayed

Iowa | Phone # (515) 867-1717 | [bavlyfayed@gmail.com](mailto:bavlyfayed@gmail.com) | [LinkedIn : Bavlyfayed2003](#)

## WORK EXPERIENCE

<b>Vontas</b>	<b>Cedar Rapids, IA</b>
<i>Intern</i>	<i>Jun 2024 - Aug 2024</i>
<ul style="list-style-type: none"><li>Contributed to the development of a website using Spring Boot, assisting in streamlining backend processes.</li><li>Supported the integration of RabbitMQ for asynchronous communication between services, aiding in the optimization of high-volume data transactions and ensuring message reliability in distributed systems.</li><li>Assisted in implementing an MVC (Model-View-Controller) architecture to ensure a clean separation of concerns, enhancing code maintainability.</li><li>Worked closely with cross-functional teams to deliver a robust, user-focused website, adhering to best practices in system architecture and software engineering.</li><li>Utilized Hibernate for efficient data management and ORM (Object-Relational Mapping), improving database interaction and reducing boilerplate code.</li><li>Collaborated with senior developers to enhance application scalability and fault tolerance by utilizing message queuing and microservices architecture.</li><li>Gained experience in troubleshooting, debugging, and conducting performance testing to ensure the application's high availability and responsiveness.</li></ul>	

## EDUCATION

<b>Iowa State University</b>	<b>Ames, IA</b>
<i>Bachelor of Science: Computer Science – Minor in Cybersecurity</i>	<i>Graduation Date: May 2026</i>

## PROJECT EXPERIENCE

<b>Group Project</b>	<b>Ames, IA</b>
<i>Android Application</i> <ul style="list-style-type: none"><li>Designed and developed a collaborative Android application that enables users to seamlessly manage a shared calendar for scheduling events and appointments.</li><li>Implemented intuitive user interfaces with responsive designs, ensuring a smooth and user-friendly experience across different devices.</li></ul>	
<b>Group Project</b>	<b>Des Moines, IA</b>
<i>Saint Mary Coptic Church Website</i> <ul style="list-style-type: none"><li>Collaborated with a small team to design and develop a professional, user-friendly church website using Markdown, including service schedules, events, and donation options.</li><li>Implemented responsive design principles and integrated multimedia elements to optimize site navigation and enhance user engagement.</li></ul>	
<b>Portfolio Website</b>	
<i><a href="https://bfayed.github.io/Bavly_Fayed_Portfolio/">https://bfayed.github.io/Bavly_Fayed_Portfolio/</a></i> <ul style="list-style-type: none"><li>Developed a personal portfolio website to showcase skills, experience, and education.</li><li>Designed an interactive layout to highlight key competencies in programming languages, software development, internships, optimizing for readability and user engagement.</li></ul>	
<b>Portfolio Generator Web-Based Application</b>	
<i>Developer</i> <ul style="list-style-type: none"><li>The application automates the creation of personalized portfolio websites by generating professional portfolios based on user inputs.</li><li>The application allows users to customize sections like experience, projects, and contact information dynamically.</li></ul>	

## SKILLS

Java, Python, OOP, Markdown language Mkdocs, HTML, CSS, Node.js, UI/UX, Json, React, MySQL, Express Js, VS Code, Eclipse, Spring Boot, git, Ruby RabbitMQ, JSP, MVC, Android studio, GitHub.

## LEADERSHIP EXPERIENCE

Member of a computer Science and software Engineer at Iowa State University	<i>Aug 2023 - Present</i>
Soccer Coach at Vision Soccer Academy	<i>2022 - 2024</i>

<b>LANGUAGES</b>	<b>ARABIC (Native)</b>	<b>ENGLISH (Native)</b>
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