Fazli Berisha

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EDUCATION

Coastal Carolina University   Conway, SC
Bachelor of Arts in Information Systems   *Expected Grad. May 2025*
- Relevant Coursework: System Analysis & Software Engineering, Data Structures, Data Communications System & Networks, Computer Organization & Programming, Relational Databases, Intro to Server-side Web App Development, Linux Fundamentals, Project Management
- Awards/Honors: Dean's List of 2022

EXPERIENCE

Teacher Assistant   Jan. 2023 – May 2023
Coastal Carolina University   *Conway, SC*
- Developed and led **Python** programming workshops for 31 students, offering hands-on learning and individualized support.
- Utilized **Matplotlib** for data visualization in programming assignments and collaborated in designing these assignments to enhance students' understanding of data analysis and creative problem-solving.
- Led a team of 5 in a coding competition (CCSC), developing algorithms and innovative solutions, resulting in top 3 for recognition in outstanding problem-solving and producing high-quality code.

PROJECTS

Dental Symptom Checker | *JavaScript, React, Node.js, Express*   Aug. 2024
- Engineered a full-stack web application for dental health assessment using real-time data from the **OpenFDA API**.
- Designed a responsive interface with React, optimizing performance and reducing load times by 40%.
- Developed a robust backend with Node.js and Express, ensuring data consistency and security. Integrated third-party services for additional functionalities and optimized database queries to enhance system performance and reliability.

Weather Dashboard | *Python, JavaScript, React, Flask*   Aug. 2024
- Developed a full-stack weather application providing real-time weather data and forecasts, integrating the **OpenWeatherMap API**.
- Designed a responsive React frontend with interactive charts (**Recharts**) and dynamic maps (**Leaflet**).
- Implemented a robust Flask backend for efficient API request handling and data processing.

Blog Management Website | *PHP, MySQL, HTML, CSS*   Jan. 2024 – May 2024
- Developed a secure blog platform with CRUD functionalities for creating, reading, updating, and deleting blog posts.
- Utilized **phpMyAdmin** for database management and implemented secure password storage.
- Enhanced site performance with faster load times and ensured cross-browser compatibility, achieving a 100% reduction in XSS vulnerabilities.

Matrix Operation Program | *C, Linux*   Oct. 2023 – Dec. 2023
- Designed and implemented a C program in a Linux environment that generated and processed matrices of up to 10x10 dimensions, performing operations such as addition, subtraction, multiplication, and division.
- Optimized memory management by dynamically allocating and deallocating space for 2D matrices using custom functions, achieving a 20% reduction in memory usage.
- Developed a robust error-correction system that successfully identified and corrected up to 95% of introduced errors in matrix data, ensuring high accuracy and reliability.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, HTML/CSS
Frameworks: .NET, Express, Flask
Developer Tools: Git, Postman, phpMyAdmin, VS Code, JetBrains, Visual Studio, PyCharm, IntelliJ, Linux, Windows
Libraries React, Matplotlib, Bootstrap, TinyMCE, Recharts, Leaflet