Zain Baig

https://zainbaig.netlify.app/ | zain.baig0529@gmail.com | linkedin.com/in/zain-baig1 | github.com/zainbaig0529

EDUCATION

University of Houston Houston, TX
Bachelor of Science in Computer Science *May 2024*

- Relevant Coursework: Software Design, Fundamentals of Software Engineering, Data Science I/II, Immersive Technology and Spatial Computing, Operating Systems, Database Systems, Introduction to Automata and Computability, Algorithms and Data Structures, Introduction to Computer Networks, Discrete Mathematics, Digital Image Processing, Statistics for the Sciences

Lone Star College Houston, TX
Associates of Arts in Computer Science *May 2022*

- Relevant Coursework: Computer Organization I/II/III, Computer Organization

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL, JavaScript, HTML/CSS, RStudio
Frameworks: React.js, Node.js, MYSQL, Vue.js. Express.js, Azure, Spring Boot
Developer Tools: Git, Github, Jenkins, MYSQL Workbench, Visual Studio Code, PyCharm, Heroku, Netlify, Jupyter Notebook
Libraries: Pandas, NumPy, Matplotlib, SciPy, Scikit-learn, Seaborn

PROJECTS

Personal Portfolio | *HTML/CSS, VS Code, Netlify* December 2023

- Developed and designed a dynamic personal portfolio using HTML and CSS to showcase technical skills, projects, and professional achievements.
- Employed GitHub for version control, maintaining a well-documented repository with clear commit messages for transparency and collaborative development.
- Hosted the portfolio seamlessly on Netlify, ensuring efficient deployment, scalability, and continuous integration for rapid updates and improvements.

Coog R Mart | *HTML/CSS, JavaScript, SQL, Azure, Node.js, Vue.js, Heroku, Netlify, VS Code* November 2023

- Collaborated with a cross-functional team of four to design and implement a comprehensive convenience store platform using HTML, CSS, and JavaScript for the front-end, ensuring an intuitive and responsive user interface.
- Integrated SQL for robust database management, facilitating seamless data storage and retrieval to support inventory, sales, and customer information.
- Leveraged GitHub for version control, ensuring collaborative and organized development practices within the team, highlighting strong teamwork and communication skills.
- Deployed the project on cloud platforms such as Azure, Heroku, and Netlify, showcasing proficiency in cloud services and enabling scalable and accessible solutions.

Image Restoration and Color Image Processing | *Python, Jenkins* April 2023

- Developed Python code for Median, Arithmetic Mean, and Adaptive Median filters for image denoising.
- Created algorithms for grayscale to color conversion using Color Slicing and Intensity to Color Transformation.
- Utilized mathematical and random functions to achieve visually appealing color transformations.
- Conducted extensive testing on various images, demonstrating adaptability and accuracy.

EXPERIENCE

New Business Processor Jun 2021 – Dec 2023
ManhattanLife *Houston,TX*

- Processed documents efficiently and maintained accurate records.
- Transcribed data to files and adjusted accounts accordingly.
- Verified data entry and confirmed premium verification on 30+ accounts.
- Collaborated with insurance agents to problem-solve account discrepancies.