Hanzalah Qamar

401-808-7151 | hanzalah.qamar02@gmail.com | https://hanzalahqamar.com |
https://www.linkedin.com/in/hanzalah-qamar-aab493206

EDUCATION

Worcester Polytechnic Institute   Worcester, MA
Bachelor of Science in Computer Science, GPA 3.80   *Aug. 2022 – May 2025*

Al-Noor Academy   Mansfield, MA
High School Diploma, GPA 4.0, Associates Degree: Islamic and Arabic Studies   *September 2018- June 2022*

Relevant Coursework: *Systems Programming, Object Oriented Programming, Data Structures and Algorithms, Database Systems, Machine Organization, Operating Systems, Software Engineering*

WPI Interactive Qualifying Project: *Exploring FPS Games and Latency : NVIDIA*

WPI Senior Humanities Seminar: *Advantages of Intercultural Communication in the Workplace*

EXPERIENCE

Lab Assistant/Data Analyst   June 2022 - August 2022
Alfa Adhesives   *Woonsocket, RI*
- Revamped informational sheets/recipes of 50+ chemicals and transferred them to digital formats using Excel
- Conducted data analysis to generate reports and insights, aiding decision-making processes in chemical production

PROJECTS

VibeVault Music App | *React.js, Tailwind,, RapidAPI*   August 2023
- Developed a feature-rich music app using React.js and Tailwind CSS for an engaging user experience.
- Leveraged RapidAPI and ShazamAPI for an extensive music library and functionality.
- Implemented tailored music recommendations within the 'Popular Music Around You' and 'Worldwide Top Charts' features.

Sorting Algorithm Visualizer | *React.js, HTML/CSS, JavaScript*   July 2023
- Developed a sorting visualizer using React, CSS, and JavaScript, showcasing five different sorting algorithms.
- Provided users with valuable insights into sorting performance through BIG-O notation comparisons
- Received 10 positive users' feedback for the visualizer's educational value and user-friendly interface.

Doc-Bot | *OpenAI, Python, Git*   June 2023
- Created an interactive PDF Reader Chat App that gives answers to user questions based on uploaded documents
- Enabled text extraction from PDFs, text splitting, embeddings, and interactive chat-based querying
- Developed the application using Python, Streamlit, LangChain, and OpenAI LLM

MIT BWSI pi-Pact Independent Project | *Python, Raspberry Pi*   June - August 2020
- Engineered a contact tracing system using Raspberry Pi, Python, and Bluetooth technology.
- Evaluated its performance based on the accuracy of COVID-19 close contact detection algorithms.
- Implemented detection algorithms in Python, conducted data collection from Bluetooth waves.

LEADERSHIP & ACTIVITIES

Vice President, MYRI (Muslim Youth of Rhode Island)   North Smithfield, RI
September 2021 - Present

Member, MSA (Muslim Student Association), WPI   Worcester, MA
September 2022 - Present

TECHNICAL SKILLS

Coding Languages: Java, C, C++, Racket, Python, HTML/CSS, JavaScript, Matlab, SQL
Frameworks: React, Node.js, Firebase
Developer Tools: Git, Unity Hub, VS Code, PyCharm, IntelliJ, Eclipse, Adobe CC
Libraries: Pandas, Pygame, OpenAI
Languages: Hindi, Urdu, Arabic