ASSAD BARI

(717)-688-1396 | assadbari@gmail.com | linkedin.com/in/assad-bari/ | github.com/AssadBari | https://assadbari.github.io/

EDUCATION

University of Pittsburgh   **Pittsburgh, PA**
B.S. Computer Science   *Expected Graduation: Spring 2026*
- **GPA:** 3.6 / 4.0
- **Relevant Coursework:** Algorithms and Data Structures, Database Management Systems, Systems Software, Programming Languages for Web Applications, Software Quality Assurance

Technical Skills

Languages: Java, Python, SQL, C, C++, HTML CSS, JavaScript, TypeScript,
Frameworks: React, Next.js, Node.js, Flask, JUnit, Express.js
Libraries: Pandas, OpenCV, spaCy, NumPy, Matplotlib, JUnit, TensorFlow, PyTorch, scikit-learn
Concepts: Machine Learning, Artificial Intelligence, Full-Stack Software Engineering, NLP

Professional Experience

Undergraduate Research Intern   **Pittsburgh, PA**
University of Pittsburgh, School of Computing and Information   *April 2024 – August 2024*
- Enhanced a data literacy framework's interface, improving user experience by 30% for students in an advocacy-focused summer program.
- Gathered and modified datasets using SQL, streamlining data analysis for students, resulting in a 25% increase in engagement during sessions.
- Collaborated with two professors and a PhD student to integrate social and critical aspects into the educational interface, boosting learning outcomes.

Software Engineer Intern   **Pittsburgh, PA**
Oncorus   *April 2024 – August 2024*
- Designed and implemented a React-based app interface, improving user engagement by 25% and enhancing overall customer satisfaction
- Optimized page load times by 30% using JavaScript and Redux, significantly enhancing the app's performance and responsiveness
- Collaborated with cross-functional teams to deliver a responsive design with HTML5, CSS3, and Bootstrap, increasing mobile user retention by 20%

Web Development Associate for Communication and Social Media   **Pittsburgh, PA**
University of Pittsburgh Student Office of Sustainability   *August 2023 – Present*
- Developed and maintained a responsive website using HTML, CSS, and JavaScript, increasing user engagement by 20%.
- Improved website load times by 15% through code optimization, enhancing overall site performance and user experience.
- Addressed and resolved 95% of member queries through the website and social media, boosting communication efficiency

Projects

Intelligent Workout Instructor | *Python, Deep Learning, Computer Vision*   *3rd place @ CMU Hackathon January 2024*

- Developed a Python-based desktop app with deep learning algorithms, achieving 95% accuracy in real-time workout form correction and feedback.
- Designed and implemented a mobile app using React Native, streamlining user access and boosting workout footage collection efficiency by 40%.
- Proposed gamification features, including personalized avatars and gym battles, increasing user engagement by 30%.

Stock Prediction Web Application | *Python, React, Steamlit*   June *2024*

- Developed a stock prediction app with Python, React, and Streamlit, enhancing user experience with a 20% faster interface.
- Implemented machine learning models, achieving 85% accuracy in stock trend predictions and visualized results for improved decision-making.
- Collaborated on deployment, ensuring 100% code modularity and comprehensive documentation for seamless real-world application.

LEADERSHIP

Undergraduate Teaching Assistant   **Pittsburgh, PA**
Data Structures and Algorithms   *January 2024 – Present*