ABBAS ZAIDI

github.com/abbaszaid | (860) 515 7057 | linkedin.com/in/abbas-zaidi-swe | zaidiabbas240@gmail.com | abbas-zaidi.com

EDUCATION

The University of Texas, Arlington   *Jan 2021 - Dec 2024*
B.S. Computer Science   ***GPA: 3.8/4***

- **Awards**: 1st place UTA Datathon '24, Dean's List '23, Maverick Academic Scholarship ($26000), Blaze Student Scholarship ($8000)
- **Extracurriculars**: Google Developer Student Club, Mobi App Development Club, Phi Delta Theta Fraternity
- **Related Coursework**: OOP, Algorithms and Data Structure, Databases Systems, OS, Programming Languages, Theoretical CS

EXPERIENCE

The Innovative Data Intelligence Research Lab | *Web Developer*   *Jan 2022 – Present*

- Developed a full stack claim verifier website to search the web for relevant articles related to the searched claim using BS4 and **Python3**
- Built and deployed a responsive client-side website for users to enter a claim returning an interactive map showcasing all the relevant articles found on the web related to the claim using **HTML5, CSS3, JavaScript** and **Flask** improving both readability and usability.
- Developed a robust text similarity analysis module using BERT-based sentence embeddings, leveraging **PyTorch** to find the most relevant sentences from an article given a claim improving the reliability of the results.
- Addressed bugs and inaccuracies via incorporating continuous integration techniques using **Jenkins**, leading to a significant improvement of **40%** in overall code quality and development efficiency.

PISIQ | *Java Developer Intern*   *May 2020 - Sept 2020*

- Created functional chat bots using **Java** and the Telegram **API** to provide customer service and real-time information to users
- Prepared comprehensive documentation for bot setup, API integration, and maintenance procedures to support future development

PROJECTS

PriceSeekr | *Full Stack Developer*   chrome web store link

- Developed a web extension using **Plasmo** and **TypeScript**, enabling users to effortlessly find same and similar products across the web
- Implemented user authentication and authorization through **Firebase Auth**, ensuring secure and seamless sign-up/login for users.
- Employed product filtering for similarity, user preferences, location, fraud avoidance, fostering a safer, tailored user shopping experience.
- Enabled horizontal scaling in **Firebase Firestore**, storing personalized user preferences and managing streamlined product search history.
- Successfully published the extension on the **Chrome Web Store** and consistently maintain and update it to improve user experience

GeoNerd | *Full Stack Developer*

- Built a multiplayer location-guessing game using **Socket**, **React** and **JavaScript** challenging players to pin Street View positions on a map.
- Integrated Google Maps API leveraging advanced features and developed an algorithm to make accurate distance-to-point calculations.
- Expanded Geonerd's user base, attracting over **2000 unique users** across 80 different countries through gameplay optimizations

Tujjari | *Full Stack Developer*

- Launched a **PHP**-based car classifieds website with a seamless frontend using **JavaScript**, **HTML5**, and **CSS3** for optimal user experience.
- Ensured data security by implementing ElGamal encryption cryptosystem to safeguard user and vehicle listing data stored in **MySQL**
- Developed a real-time chat system via **Firebase Realtime Database**, enabling seamless 1-on-1 communication between users.
- Implemented search with car filtering using PHP for server-side logic and **AJAX** for real-time updates, enhancing user search experience.

Space Invaders | *Full Stack Developer*

- Collaborated within a 5-member SCRUM team to develop a Space Invaders-style Android game using **Java** and **Android Studio** IDE.
- Leveraged **XML layouts** to design a responsive frontend, integrating custom sprites and assets optimized for various screen sizes.
- Utilized debugging tools such as **Logcat** and **Android Profiler** to ensure game stability and optimal performance across diverse devices.
- Implemented unit testing with **JUnit**, ensuring code reliability through test suites that covered critical game functionalities and logic.

SKILLS

Programming languages: Python, C, C++, TypeScript, JavaScript, Java, HTML5, CSS3, SQL, PHP
Frameworks and Libraries: React, React Native, Expo, Node.js, Express, Flask, PyTorch, NextJS, TailwindCSS
Databases and Cloud: MySQL, Firebase, AWS (DynamoDB, S3)
Tools: Jira, Junit, Git, Docker, Jenkins, Linux