

TALHA BIN ASLAM

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OBJECTIVE

Energetic and driven 22-year-old Computer Science student with a passion for problem-solving and a keen interest in startup environments. Specializing in front-end web development and UI/UX design, with a flair for creating visually appealing and user-friendly website designs. Proven ability to translate concepts into innovative digital solutions. Seeking opportunities to contribute creativity and technical skills to dynamic teams.

EDUCATION

BSc. Computer Science

2021 - Present

Bahria University, Islamabad, 3.48 CGPA

EXPERIENCE

Full Stack Web Developer Intern, Truck It In

Jul 2024 - Sep 2024

Trainee UI Design and Experience, Truck It In

Jul 2024 - Sep 2024

PROJECTS

Syncs, MERN Stack, PostgreSQL, Node.js, Express, REST APIs, AWS Hosting

Syncs is a B2B mentorship platform connecting users with experts through flexible, calendar-based bookings. With integrated Stripe payments, automated email confirmations, and a review system, Syncs streamlines mentorship access and enhances user trust by providing a seamless, on-demand experience.

Madadgaar, React Native, Supabase, PostgreSQL, AWS

Madadgaar is a hybrid freelance marketplace connecting clients with professionals through both online and offline service delivery options. With integrated payment processing, real-time messaging, geolocation services, and a comprehensive review system, Madadgaar streamlines freelance work acquisition and enhances user experience by providing a seamless, cross-platform mobile solution.

PLABA, Python, TensorFlow, BERT, FastAPI, Firebase

Developed an NLP model using fine-tuned BERT to simplify complex biomedical abstracts, making research accessible to a broader audience. Implemented custom tokenization for medical terms and jargon detection with alternative phrasing. Leveraged FastAPI for web framework and hosted on Vercel for real-time text processing.

Parallel KNN Optimization, C++, Microsoft MPI, Matplotlib, Pandas

Optimized KNN algorithm using Microsoft MPI for parallel computation, significantly improving runtime on large datasets. Implemented workload distribution across processes and visualized classification accuracy and speedup using Matplotlib.

FootyStats, PHP, SQL, JavaScript, HTML/CSS, phpMyAdmin

FootyStats is a comprehensive football statistics platform implementing dynamic data visualization of player statistics. Built with PHP backend for server-side processing and custom SQL queries. Recognized with 3rd place award in project gala for innovative sports data presentation and user experience design.

Typing Speed Checker, C++, STL, Chrono Library

Built a real-time typing performance analysis tool using STL containers for word tokenization and Chrono for precise WPM calculations. Implemented accuracy adjustments and mistyped word detection with minimal computational overhead.

IMDB Sentiment Analysis, Python, BeautifulSoup, Scikit-Learn

Scraped IMDB movie reviews using BeautifulSoup and performed sentiment classification using Scikit-Learn's TF-IDF and Naïve Bayes. Built a model to analyze and classify sentiment for newly input reviews.

SKILLS AND PLATFORMS

Skills	C++, Python, JavaScript, TypeScript, JEST, UI/UX Design, React, React Native, Next.js, Node.js, Express, Git
Platforms	VS Code, JB IntelliJ, JB WebStorm, MongoDB, PostgreSQL, Figma, Supabase, AWS, Appwrite, JB CLion, JB PyCharm