

Ali Hassan

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ABOUT ME

I am a skilled professional with extensive expertise in developing robust web applications using React.js and Next.js, focusing on achieving high performance and responsiveness. My experience includes integrating machine learning models with Python and OpenAI into applications, enhancing functionality and user experience. I have successfully implemented Deepgram for advanced speech recognition and transcription services, as well as integrated LlamaIndex for efficient data indexing and search capabilities. With proficiency in frameworks like Laravel, PHP, WordPress, and Shopify, I bring a diverse skill set to deliver comprehensive solutions tailored to diverse project requirements.

WORK EXPERIENCE

23/12/2023 – CURRENT Lahore, Pakistan
SOFTWARE ENGINEER ATLAS SOLS

- Developed robust web applications using React.js and Next.js, ensuring high performance and responsiveness.
- Implemented machine learning models and integrated them into applications using Python and OpenAI.
- Utilized Deepgram for speech recognition and transcription services within web applications.
- Integrated LlamaIndex for efficient data indexing and search capabilities within applications.
- Designed and deployed real-time communication features using WebRTC, enhancing user interaction and engagement.
- Wrote clean, scalable, and maintainable code in TypeScript, following best practices and industry standards.

Address Gulberg, Lahore, 05449, Lahore, Pakistan

01/01/2023 – 01/11/2023 Lahore, Pakistan
ASSOCIATE SOFTWARE ENGINEER METRO CITY LAB (MCL)

- Developed and maintained web applications using MongoDB, Express.js, React, and Node.js.
- Implemented RESTful APIs for seamless integration between front-end and back-end systems.
- Designed and optimized MongoDB schemas for efficient data storage and retrieval.
- Utilized React to build dynamic, responsive user interfaces and reusable components.
- Ensured application scalability and performance through efficient coding practices and load balancing.
- Integrated third-party APIs and services to enhance application functionality.
- Troubleshooted and resolved complex technical issues across the full stack.
- Continuously researched and implemented the latest technologies and best practices to improve development processes.

Website <https://www.metrocitylab.pk/>

30/09/2022 – 31/12/2022 Islamabad, Pakistan
MERN STACK DEVELOPER INTERN DEVGATE

As a MERN Stack Intern, I gained a deep understanding of web application development using MongoDB, Express.js, React, and Node.js. I implemented RESTful APIs, designed efficient MongoDB schemas, and built responsive user interfaces with React. Through this experience, I worked on practical real-life projects, enhancing my skills and knowledge in coding, testing, and deployment.

PROJECTS

01/03/2024 – CURRENT
Multi-Lingual App

Our innovative WebRTC-based Multi-Lingual solution enables seamless real-time communication by transcending language barriers between users. Utilizing advanced transcription technologies, an agent listens to conversations and provides instant, accurate transcriptions, allowing users to communicate effortlessly regardless of their language differences. This powerful tool enhances accessibility and ensures clear, effective communication in diverse, multilingual environments. Ideal for global businesses, educational institutions, and international collaborations, our solution bridges the language gap and fosters inclusive, productive interactions.

01/01/2024 – 01/03/2024
NoteWhisper

NoteWhisper leverages the power of Deepgram and OpenAI to transform any video or audio content into structured and insightful notes. By providing a link to any format of media, NoteWhisper generates an accurate transcript in JSON format and utilizes advanced prompting techniques to extract key points and generate comprehensive notes. This tool is ideal for students, professionals, and anyone looking to efficiently summarize and comprehend audio-visual content.

01/09/2023 – 31/12/2023

AI Enhanced Restaurant Hub

Designed a dynamic restaurant website featuring an AI-driven recommender system. The system analyzes user preferences, order history, and real-time data to offer personalized menu suggestions. The website promotes user engagement through a user-friendly interface, menu customization options, and real-time order tracking

01/06/2023 – 30/09/2023

Pets Care

This innovative website allows pet owners to schedule appointments, access veterinary advice, manage health records, and even book dedicated time for professional staff to care for their pets. Emphasizing the importance of preventive care, the platform also features information on insurance options and vaccine schedules.

DIGITAL SKILLS

React, Next.js, React Native | Python (PyROOT, RDataFrame; ML: Keras, TensorFlow) | PHP Framework (Codeigniter, Laravel) | Object-Oriented Programming | XML - basics | Git | Software Development | Machine Learning, NLP | deepgram | Open Ai | MVC, MVP, MVI, MVVM | Cross-platform development | Optimization

EDUCATION AND TRAINING

10/10/2019 – 01/02/2024 Lahore, Pakistan

BACHELOR'S IN COMPUTER SCIENCE University Of Central Punjab (UCP)

Website <https://ucp.edu.pk/>

01/01/2017 – 01/01/2019 Lahore, Pakistan

INTERMEDIATE Punjab Group of Colleges

Website <https://pgc.edu/about-us>

CERTIFICATIONS

Crash Course on Python

Link <https://coursera.org/share/857d42d56c721375a94117dd34664197>

Technical Support Fundamentals

Link <https://coursera.org/share/3ffff78208e51de278752b06205e9701>

Share Data Through the Art of Visualization

Link <https://coursera.org/share/c34d5a33dbbe2a03addaca03a17f28b4>

Foundations of Cybersecurity

Link <https://coursera.org/share/afc63ba7b791a0a0aec94a3d818e000>

Operating Systems

Link <https://coursera.org/share/c03fd25f5d02ba5024d1faf90513703b>

COMMUNICATION AND INTERPERSONAL SKILLS

Cross-Cultural Communication

As class monitor, prioritize adaptable communication for a diverse audience.

Team Collaboration

Drives successful project outcomes through a synergistic team dynamic.

Active Listening

Adept at actively listening to others, fostering a collaborative environment.