

Muhammad Zafar

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[Portfolio](#)



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EDUCATION

University of Central Punjab CGPA: 3.94 / 4.00

Lahore, PK

Bachelor's in Computer Science

Feb 2022 – Present

Courses: Object Oriented Programming, Data Structures & Algorithms, Databases

SKILLS

- **Languages:** TypeScript, JavaScript, Python, C/C++, MySQL MongoDB, HTML/CSS
- **Frameworks/Libraries:** Next.js, React.js, Node.js, Express, Flask, Mongoose, Tailwind CSS
- **Developer Tools:** Firebase, Git, Docker, Prisma, Contentful, ChatGPT, VS Code

PROJECTS

Password Manager | *Mongodb, React, Express, Node.js, TypeScript, Tailwind* | [Link](#)

- Implemented encryption techniques to ensure the safe storage and transmission of user passwords.
- Created a user-friendly, responsive interface using Tailwind for seamless user experience.
- Designed and implemented user authentication functionality using JSON Web Tokens (JWT) for secure login and access control.

Custom Chatbot – *Next.js, Firebase, TypeScript, Tailwind, gptAPI* | [Code](#)

- Integrated chatbot with Next.js and Firebase for seamless user experience and real-time data storage.
- Chatbot uses gpt-4 API to respond with intelligent responses.
- Designed conversational flow and ensured intuitive user interactions.

Chat Application – *Next.js, TypeScript, Firebase* | [Link](#)

- It leverages the power of server-side rendering for enhanced performance and user experience..
- Integrated Firebase Authentication for secure user registration, login, and authentication.

Tesla Website Clone | *React.js, Styled Components* | [Link](#)

- Developed a responsive book management system using Vanilla JavaScript..
- Implemented responsive design principles to ensure the website is optimized for various screen sizes.

Result Calculator | *Next.js, TypeScript* | [Link](#)

- Developed a result calculator tool utilizing Excel file uploads, extracting and organizing data into a table format for result calculation.
- It utilizes a PostgreSQL database for efficient storage and retrieval of data.

CERTIFICATIONS

- **Backend Development with APIs** - *freeCodeCamp* | (in progress)
- **JavaScript Algorithms and Data Structures** - *freeCodeCamp*
- **Responsive Web Design** - *freeCodeCamp*