

Waleed Nadeem

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EDUCATION

LAHORE UNIVERSITY OF MANAGEMENT SCIENCES – BS Computer Science

2020 - 2024

Key Courses: Data Structures, Human Computer Interaction, Databases, Software Engineering, Operating Systems, Advanced Programming, Deep Learning, Network Centric Computing, Network Security, Artificial Intelligence, Machine Learning, Data Science

CAIE Advanced Level - 1A*s 3As

2018 - 2020

PROFESSIONAL EXPERIENCES

LambdaFISH – *Software Engineer*

Oct 2024-June 2025

- Worked with a **US-based client** on two web applications focused on AI tools and personal messaging
- Developed a web app in **Remix JS** and **Prisma** to help users discover AI tools tailored to their needs, with responsive layouts using **Tailwind CSS**
- Contributed in developing **LittleGems**, a **Ruby on Rails + Postgres** app that lets users send future-dated messages to their children, styled using **Tailwind CSS**
- Built and maintained frontend components using **React.js**, **Redux Toolkit Query**, and **Tailwind CSS**
- Designed and managed **schemas** and **Express.js routes**, ensuring scalability and optimized queries
- Integrated **WebSockets** for live updates on AI tools.
- Worked in **Agile sprints** with pull requests, code reviews, and CI/CD via GitHub Actions
- Contributed to full-stack development, database modeling, and UI/UX design for both projects
- Learned and applied authentication using **JWT** and integrated **Twilio APIs** for messaging features
- Used **Git** and **GitHub** for version control, pull requests, and branching
- Wrote clean, maintainable code with guidance from senior engineers and actively participated in **code reviews**
- Applied **frontend security best practices** (e.g. input validation, auth flows).

Qbatch – *Software Engineering Intern*

June 2023-August 2023

- Built an **E-Commerce website** using the **MERN stack** as part of the company's training program
- Practiced component-based design, implemented **RESTful APIs**, and handled basic routing and state management
- Collaborated with a mentor to learn best practices in **JavaScript**, **Git**, and **clean code principles**
- Gained hands-on experience in **Git**, **REST APIs**, and **component-based architecture**

PROJECTS

- **JAM:** A **user-hosted trivia web application** made in **Svelte** and **MongoDB**. Designed for students, teachers, trainers or simply anyone who wants to challenge their friends to a quiz. Access [here](#)
- **E-Commerce Website:** Built in MERN during internship at Qbatch; implemented **user flows**, backend **APIs**, **MongoDB schemas**, and tested endpoints via Postman
- **ChatWave:** MERN-based chat app built using **Tailwind CSS** with **real-time communication**, **multi-room support**, and a custom **notification system**. Utilized **Socket.io** for messaging
- **UNO:** Developed in MERN using **WebSockets** for real-time updates
- **Plan-It Pro:** Developed a MERN-based **budgeting web app** as a group project, featuring **to-do list** with priority assignment and a **prediction feature utilizing Machine Learning/AI**. Implemented a **smart suggestion feature**, created a prototype using **Figma**, injected dummy data into the database, and conducted **testing**.
- **Store Inventory System:** Made a store inventory system website in **Html & Node.js** as a group project. Devised a **Schema** & implemented use cases for different users. Connected front-end to back-end and **injected data** to make website functional.
- **Data-Driven Film Industry Study:** Did a **Data Science group project** to provide **data-driven insights** and recommendations by analyzing attributes of top-grossing movies over the past decade. Built a **web scraping system** using Python's **requests**, **BeautifulSoup**, and **Selenium** to collect and clean movie data across multiple websites. Merged large datasets and conducted **exploratory data analysis (EDA)** for insight generation.
- **Text Similarity & Duplicate Detection:** Used **Machine Learning** techniques to detect similarity and duplication among different text prompts as a group project. Used 3 different approaches: **Naïve Bayes**, **SBERT**, **LSTM**.

SKILLS

- MERN, Web Development, Software Engineering, App testing, Python, JavaScript, C++, C#, SQL, Data Structures, Algorithms, Socket Programming, MongoDB, HTML, CSS, Problem Solving, OOP, Back-End Development, GIT, Postman, Prisma, Remix JS, Ruby on Rails