

Muhammad Ahsan

Software Developer

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Full-stack developer specializing in React/Next.js and Django, with three shipped projects spanning AI-powered recommendation systems, a real-time booking platform, and a browser extension that parses and exports AI chat conversations.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C/C++

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, Django, RestAPI, JWT, NextAuth

Database: PostgreSQL, MongoDB

AI/ML: Scikit-learn, OpenAI API, Ollama

Tools: Git, GitHub

WORK EXPERIENCE

WordPress Designer

June 2022 – June 2024

XEBEX

Lahore, Pakistan

- Delivered 30+ custom WordPress websites for clients across multiple industries by designing responsive, user-focused experiences using Divi Builder and custom themes
- Improved website performance and search visibility, achieving page speed improvements of up to 35%, by optimizing site structure, media assets, and SEO foundations.
- Translated client business requirements into effective digital experiences by designing intuitive layouts, strengthening brand consistency, and optimizing user journeys across websites.

PROJECTS

FYP - Developing a Career Counseling Platform Using AI ([GitHub](#))

(React, Django, Tailwind CSS, MongoDB, Python, Scikit-learn, Cosine Similarity, OpenAI API, Ollama LLMs)

- Built a career recommendation engine using cosine similarity to match user profiles (skills, interests, academic background, goals) against a career-pathway database, and a skill-gap module comparing a user's current skills against a target role's requirements.
- Integrated an AI chatbot with fallback between the OpenAI API and a locally hosted Ollama LLM for career-related Q&A and platform navigation.
- Built the job-recommendation dataset and matching logic using a curated career/job dataset, with a live scraping pipeline scoped as a future enhancement.

AI Chat Exporter (Chrome Extension) ([GitHub](#))

(JavaScript, Chrome Extension APIs, Manifest V3, docx, jsPDF, Rollup)

- Building a Chrome extension that exports ChatGPT, Claude, Perplexity, DeepSeek, and Gemini conversations to PDF, DOCX, HTML, Markdown, TXT, and JSON by parsing the page DOM directly, requiring no API access or login.
- Structuring the codebase around a per-site adapter pattern, where platform-specific message/role detection is isolated from a shared parsing pipeline, so new chat platforms can be added without touching document generation or export logic.
- Handling platform-specific DOM quirks — including ChatGPT's separate logged-in/logged-out markup and Claude's viewport-based message unmounting, where the page discards off-screen messages and the extension scrolls through the conversation to capture them before reading it.
- Implementing local redaction of sensitive terms (emails, keys, names) from the in-session snapshot before export, with nothing sent to external servers and no data persisted to storage.

Platzbook (Sports Booking Platform) ([Link](#))

(Next.js, TypeScript, Tailwind CSS, PostgreSQL, Prisma, bcrypt, NextAuth, Integrated Payment System)

- Built a multi-role sports booking platform with role-based access control separating players, arena owners, and admins, each with a dedicated dashboard for bookings, arena listings, and platform oversight.
- Built a real-time booking system with slot selection and availability display for arenas.
- Added a ranking system that scores players and arenas by activity and rating history, and secured authentication with NextAuth + bcrypt password hashing.

CERTIFICATIONS

- Machine Learning Specialization by DeepLearning.AI & Stanford University taught by Andrew Ng. ([View Certificate](#))

EDUCATION

Virtual University of Pakistan

Bachelor of Science in Computer Science

Lahore, Pakistan

Oct. 2021 – July 2025