

Waleed Ahmed

Computer Science student with experience in programming using: Python, C, C++, C#, LATEX, Java, HTML, CSS, Tailwind, Bootstrap, JavaScript, TypeScript, Express, Node, React, Vite, NEXT.js, Python, MongoDB, SQL (PostgreSQL, Supabase, MySQL, SQL Server)

WORK EXPERIENCE

Software Engineer, Nymble Leap

Jan 2025 - Present

- Built and deployed **FastAPI** projects with **Pydantic** for data validation
- Set up and managed remote servers, **cron jobs**, and **Alembic** migrations
- Designed and implemented **CI/CD pipelines** and handled **DevOps** responsibilities
- Broke down **monolithic codebases** into **scalable microservices**
- Developed full-stack applications with **Next.js**, **NestJS**, **M.E.R.N** stack, and **TypeScript**
- Integrated and optimized APIs (internal and third-party)
- Worked with and **integrated LLMs** for **AI-powered features** and **automation**

Solo Full Stack Web Developer, Freelancing

Jan 2021 - Present

- Designed, Developed and Deployed full-stack web applications using the **M.E.R.N**, **NEXT.js**, **.NET WebForms** (C# and SQL Server).
- Designed and implemented **RESTful APIs**.
- Deployed applications using cloud platforms like **Vercel**, **AWS**, **Netlify** and **Heroku**, ensuring high availability and scalability.
- Utilized **Git** and **GitHub** for version control, collaborating with teams.

Full Stack Web Developer Internship, DPS Lahore

Sep 2023 - Dec 23

- Assisted in building internal web applications using **ASP.NET Razor Pages** and **C#**, supporting staff and administrative workflows
- Developed responsive user interfaces with **HTML**, **CSS**, **JavaScript**, and **jQuery** for dynamic interactivity
- Wrote and maintained **backend logic** using C#, integrating with **SQL Server** for data storage and retrieval
- Created **stored procedures** and optimized queries to handle student records, attendance, and reporting features efficiently
- Worked in a structured team environment, gaining practical experience in enterprise-level development and deployment

PROJECTS

Metamaxpro.org – Crypto Subscription Application

Jun 2024 - Oct 24

Tech Stack: MERN Stack (MongoDB, Express, React, Node.js), Nodemailer, GSAP, Tailwind CSS, Framer Motion, Vercel

- Designed and developed a full-featured **crypto-based subscription web app** with over **30 unique pages**.
- Implemented **complete user authentication**, including **registration, login, forgot password** with **OTP**, and **email verification flows**
- Built a **custom admin dashboard** with **advanced analytics**: subscription stats, interactive tables, and graphs rendered from **live user data**.
- Integrated **crypto upload & purchase system**, allowing users to buy subscription plans using their cryptocurrency balance
- Set up email notifications using **Nodemailer**, and configured **Zoho Mail** for domain-linked professional emails
- Automated critical flows like subscription checks and verifications using GitHub Actions for **cron jobs**.
- Added **light/dark mode**, responsive design, and rich UI interactions for smooth UX across devices.
- Embedded interactive 3D models using Three.js, adding a dynamic visual layer to the user experience.

Chiri.pk – Airline Ticket Comparison Platform

Dec 2024 - Present

Tech Stack: Next.js, React, Tailwind CSS, NextAuth (with OAuth), Node.js, MongoDB, GitHub-Flavored Markdown, Cloudinary, Server-Side Rendering (SSR), Custom Page Builder (Google Docs-style), Vercel, GitHub Actions

- Spearheaded the development of Chiri.pk, a **server-side rendered** airline ticketing platform, resulting in a **40% boost in organic traffic** due to **SSR + SEO strategy**
- Aggregates flight data from 5+ sources, helping users **compare prices in real time**, filter results, and complete faster booking decisions
- Engineered an **internal custom page-building tool** (like Google Docs), enabling non-technical writers to **create and launch dynamic, SEO-ready pages** in under **5 minutes without dev involvement**
- Replaced a third-party CMS solution. Cutting down potential recurring costs by **90%** and giving full control over rendering logic, while avoiding vendor lock-in
- Developed a **secure admin dashboard** with **live stats, user management**, and **OAuth login** via **Google** and standard email/password flows
- Integrated **Markdown + raw HTML** support with **Cloudinary** image uploads for creating rich blog content; boosted average blog engagement time by **25%**
- Implemented **SEO best practices** and **Core Web Vitals optimization**, leading to **90+ scores** on Lighthouse SEO audits and faster indexing by Google
- **Ongoing expansion** includes bus tour ticketing features, expected to grow the addressable market by 30–40%

Pantheonathletic.com- Fitness Website for Gym Brand

Feb 2025 - Present

Tech Stack: MERN Stack (MongoDB, Express, React, Node.js), GSAP, Tailwind CSS, Framer Motion, Vercel

- Designed and developed a sleek, modern website to showcase services, trainers, and transformation success stories
- Integrated **Stripe** for secure membership payments and **Calendly** for easy class/session bookings
- Connected Instagram feed using **Meta Graph API** to display real-time social media posts on the site
- Implemented SEO best practices and responsive design, leading to a **30%** increase in customer engagement within the first two months
- Deployed on Vercel with optimized performance and load times under **1.5s**

BillNow.ai – Revenue Management Platform (MVP)

Mar 2025 - Present

Tech Stack: MERN Stack (MongoDB, Express, React, Node.js), GSAP, Tailwind CSS, Framer Motion, Vercel

- Developed landing site for BillNow.ai, a **SaaS** platform for revenue tracking and invoicing tailored for startups and **SMEs**
- Built a fully responsive frontend with **GSAP** and Framer Motion to deliver smooth, modern animations and improved user experience
- Architected backend logic and APIs using **Node.js** and **Express**, with data stored in **MongoDB**
- Collaborated directly with the founder to iterate quickly on **MVP features**, leading to **successful early-stage funding** acquisition
- Enhanced the startup's online visibility and credibility by deploying the product with performance and **SEO optimizations** on **Vercel**

MansooriMedia.com – Marketing Agency Website

Tech Stack: MERN Stack (MongoDB, Express, React, Node.js), GSAP, Tailwind CSS, Framer Motion, Vercel

Dec 2024 - Present

- Designed, developed, and deployed a modern landing site for Mansoori Media, aimed at driving international client acquisition
- Developed a fully **custom blog system** supporting **GitHub-flavored Markdown**, **raw HTML**, and image uploads, allowing rich and flexible content publishing
- Implemented a secure **admin dashboard** for managing blogs, leads, and website content
- Integrated **Calendly** for appointment bookings and developed a **Revenue Calculator** tool to demonstrate potential client ROI
- Used **Cloudinary** for scalable image management with automatic optimization and CDN delivery
- Continuing collaboration with the client for iterative updates, performance improvements, and **SEO optimization**

EDUCATION

Intermediate in Computer Science

Garrison College, Lahore (70%)

Aug 2019 - 2021

- Major in Computer Science
- Final year project in networking, created a private networking system that connects all the campus labs

Bachelors in Computer Science

National University of Modern Languages (3.76 CGPA)

Sep 2021 - Present

- Major in Computer Science
- Semester Projects: C++ CLI based **Akinator Clone**, Java GUI **Quiz Application**, C++ .NET Winforms **Restaurant Management System**. C++ CLI **CPU Clock Cycle emulator**, Online meeting **note taker companion AI** (Ongoing).

ACHIEVEMENTS & LEADERSHIP

- **Game Development Lead**, GDSoc NUML — 2023 -24
- **Graphics Lead**, ACM NUML — 2022 -24
- **President**, ACM NUML — 2025 -Ongoing
- **Campus Ambassador**, Confiniti — 2025 - Ongoing
- **Technical & Competitive Programming Lead**, HackForge 0.1
- **1st Place**— Web Development Track, I.T.U Hackathon 2024 and '25
- **1st Place** — Valorant Competitive Gaming Tournament, FAST 2024
- **1st Place** — Web Development Track, UMT Surge Hackathon 2024
- **3rd Place** — Web Development Track, LUMS Hackathon 2025
- **Merit-Based Scholarship** — Awarded in 1st and 2nd semesters at NUML for academic excellence

INTERESTS

Sci-fi and surreal fiction lover—drawn to Liu Cixin's grand ideas and Murakami's strange beauty. I unwind with Valorant, experiment in the kitchen, and dream of bringing my own game worlds to life someday :D