

# Abdul Ahad Nauman

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<https://github.com/abdualahadnauman20>

## Professional Summary

Experienced Full Stack PERN And NEXTJS Developer with a strong focus on both Frontend and Backend Development, and a proven track record of building responsive, user-friendly web applications. Proficient in PostgreSQL, Express, React, and Node.js (PERN stack), and NextJS with hands-on experience in developing and maintaining full-stack web applications. Skilled in designing scalable backend systems, integrating APIs, and creating seamless user interfaces. Passionate about delivering high-quality, end-to-end solutions and collaborating with cross-functional teams to solve complex problems.

## Education

### Bachelor of Computer Science

National University of Computing and Emerging Sciences

Aug 2021 – Jun 2025

## Technical Skills

- **Frontend:** React, JavaScript, HTML/CSS, Next.js, Bootstrap, Tailwind CSS
- **Backend:** Node.js, Express.js, PostgreSQL, REST APIs
- **Programming Languages:** Python, C/C++, SQL, JavaScript
- **Tools & Technologies:** APIs, CI/CD, Terraform, AWS, Azure, Firebase, Vercel, Ngrok, DialogFlow
- **Developer Tools:** VS Code, Visual Studio, Jupyter Notebook, Google Colab

## Projects

### TestSphere: Offline Proctoring Portal | Final Year Project

#### Full Stack PERN Application

Aug 2024 – Jun 2025

- Developed a full-stack proctoring portal using the PERN stack (PostgreSQL, Express, React, Node.js) to monitor examination candidates, disable internet access during tests, and detect unethical activities.
- Built a responsive frontend using React for real-time monitoring and candidate interaction.
- Designed and implemented a scalable backend using ExpressJS, Node.JS and REST APIs, with PostgreSQL for data storage and management.
- Integrated a chatbot API for automated question generation and answer checking, enhancing the examination process.
- Deployed the application on a port for real-time monitoring and ensured seamless performance across devices.

### Hospital Management System

#### Full Stack PERN Application

Aug 2023 – Dec 2023

- Developed the frontend of a full-stack web application for managing patient records, appointments, and staff information.
- Built a responsive user interface using HTML, CSS and Javascript, ensuring a smooth user experience across devices.
- Managed project budgets and timelines using MS Project Plan.
- Calculated costs and allocated resources effectively.
- Identified and addressed resource needs to ensure project success.

### Multicloud Deployment using CI/CD

Aug 2024 – Dec 2024

- Created a CI/CD pipeline to deploy frontend applications on AWS and backend services on Azure.
- Automated the entire deployment process using Terraform for infrastructure as code and custom CI/CD scripts.

### Full Stack Next.js Application

Jan 2025 – Mar 2025

- Developed a full-stack ecommerce website for a food delivery platform using Next.js for the frontend and Sanity as the headless CMS.
- Designed a responsive and user-friendly interface with dynamic product listings, search functionality, and a seamless checkout process.
- Integrated Sanity for content management, allowing easy updates to product details, images, and pricing.
- Implemented server-side rendering (SSR) and static site generation (SSG) in Next.js for optimized performance and SEO.
- Ensured secure payment integration and a smooth user experience across devices.

### Aizex Gaming Startup (Freelance Project)

Dec 2023 – Jan 2024

- Developed and maintained the company's gaming website
- Ensuring a seamless and responsive user experience using JavaScript.
- Implemented responsive design principles to ensure compatibility across devices.

## Certifications

### Angela Yu Full-Stack Development

#### Udemy Course

Oct 2024 – May 2025

- Developed numerous projects to gain experience in **Full-Stack Development**.
- Learned in depth concepts and implementations of Full Stack Applications.

### Governor Sindh Initiative for Artificial Intelligence, Web 3.0 & Metaverse

Feb 2024 – Feb 2026

- Learned and Developed Projects in Typescript to improve base along with a Major Project Ecommerce Web Application using NextJS
- Learning and Developing Python Projects using streamlit.
- Will be learning generative AI soon