

Hadeed Ahmed

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[Linkedin](#) | [Portfolio](#)



EDUCATION

National University of Computer and Emerging Sciences, Lahore Campus
BS (Computer Science) - 2025

SUMMARY

I am a skilled Full Stack Web Developer and AI enthusiast with a strong focus on building dynamic, responsive web applications using Next.js and React. With expertise in integrating AI-powered features to solve complex problems, I am passionate about developing impactful, user-centric solutions. Committed to continuous learning, I strive to leverage cutting-edge technologies to drive innovation and contribute to a more connected society.

SKILLS & EXPERTISE

Programming Languages: C++, Python

Web Development: NextJS, ReactJS, ExpressJS, NodeJS

Databases and Backend: MongoDB, SQL, Firebase

AI / Machine Learning: Neural Networks, Perceptron, Decision Trees, Stable Diffusion, CLIP, Transformers

Styling & UI: Tailwind

Core Concepts: OOP, Data Structures, Digital Logic Designing

WORK EXPERIENCE

Web Developer at GrootCore Systems

(July 2024 – Current)

Working as a part of the Web Development team, contributing to projects using Next.js, React.js, Redux, JavaScript, and TypeScript. Assisted in building and maintaining the GrootCore website and its integration with other platforms like Pixou. Collaborated with the QA team to identify and fix issues, ensuring smooth functionality across web applications. Developed strong front-end skills, gained experience in state management, and consistently delivered quality work under tight deadlines.

PROJECTS WORKED ON

1 - Automated Story to Movie Generator (In Development - FYP)

Currently developing an AI-powered web application to automate video production by converting text prompts into structured movie scenes. The system integrates large language models (LLMs) for story generation, Stable Diffusion for image creation, and LTX Video for video generation. Designed as a multi-stage pipeline, it enables users to input stories, review AI-generated content, and customize scenes.

2 - Freelancing Platform with AI Chatbot

Created an interactive freelancing platform using modern web technologies (NEXTJS, MongoDB, TypeScript, Tailwind, Firebase, AI chatbot), allowing clients to connect with freelancers offering diverse services like web development, app development, and more. Integrated a real-time chatbot powered by AI to assist users with queries, facilitate dispute resolution, and provide a seamless user experience.

3 - Spoof Detection System using Vision Transformers AI

Developed a ViT-based face spoof detection model to enhance security in AI-powered authentication systems. Processed a spoof detection dataset, fine-tuned a Vision Transformer for binary classification (Real vs. Spoof), and evaluated performance using Precision, Recall, F1-score, and Accuracy. Conducted real-world testing, including replay attack detection, to validate robustness.

4 - Luxe Kitchen Cabinets

The Luxe Kitchen Cabinets website is an online platform made with NEXTJS, Typescript that showcases premium custom kitchen solutions. This website features an elegant, responsive design that allows users to explore a wide range of kitchen designs, products, and services. It provides an easy-to-navigate experience, with high-quality image galleries and a contact form for customer inquiries.