

# Uzair Ghafar Shah

Pakistan | ugshah786@gmail.com | [Portfolio Website](#)

## SUMMARY

I'm a passionate software engineer with hands-on experience in both web and mobile development, specializing in **AI/ML-driven solutions** and **full-stack web development**. Proficient in designing and building scalable applications using modern frameworks like **Next.js**, **Node.js**, and **React** with **TypeScript** and **Tailwind CSS**. Experienced in building advanced **AI chatbots** and **automation agents** using **LLMs**, **RAG systems**, and **vector databases**. Also adept at mobile development with **Kotlin** and **Jetpack Compose**. Always eager to learn new technologies, enhance user experiences, and stay current with software and AI trends.

## SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, Kotlin, SQL
- **Web Technologies:** Next.js, Node.js, React.js, HTML5, CSS3, Tailwind CSS, Shadcn UI, RESTful APIs
- **AI/ML & Databases:** Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Natural Language Processing (NLP), Groq API, CrewAI, Pinecone DB (Vector Database), PostgreSQL (Neon Database)
- **Mobile Development:** Android (Kotlin, Jetpack Compose), React Native
- **Tools & Platforms:** Git, GitHub, Vercel, Stripe API, Clerk (Authentication), Nodemailer, Three.js, Drizzle ORM
- **Concepts:** Full-Stack Development, UI/UX Design Principles, SaaS Architecture, Agile Methodologies

## PROJECTS

### AI-Powered Legal Assistant

- Developed an AI chatbot for **legal assistance**, integrating **Groq API** for LLM inference.
- Built using **Next.js** and **Node.js**, with a **RAG system** leveraging **Pinecone DB** and local embeddings via Xenova.
- Designed a responsive and user-friendly interface using **Shadcn UI**, **Tailwind CSS**, **motion libraries**, and **React-markdown**.
- Implemented **PostgreSQL** via **Neon Database**, using **Drizzle ORM** for efficient data handling.
- Integrated **Clerk** for authentication and **Stripe** for seamless payment processing in a SaaS model.

### AI Job Email Automation Agent

- Developed a smart email assistant using **CrewAI agent architecture** and **RAG techniques** for tailored responses based on job-related context.
- Built the backend in **Python** with **FastAPI**, integrating **Groq (LLM inference)** and agent logic for parsing, scheduling, and replying to interview emails. Implemented a clean and interactive UI with **Next.js (TypeScript)**, **Node.js**, **Shadcn UI**, **Tailwind CSS**, and **Frame Motion** for smooth UX.

### AI Chat Application

- Initiated the development of an **AI-powered chat application** leveraging **Jetpack Compose** and **Groq API**.
- Focused on **natural language processing (NLP)** and intelligent conversation flows.

## EXPERIENCE

### Bytewise Limited

#### Android Kotlin Developer Intern

Rawalpindi - Pakistan  
June 2024 - September 2024

- Developed the front end of a fitness application using Jetpack Compose and Kotlin.
- Participated in interactive sessions covering Kotlin and modern Android development practices.

### Washify

#### React Native Frontend Developer Intern

Rawalpindi - Pakistan  
April 2024 - June 2024

- Collaborated with a team to develop Washify, a mobile application for scheduling and managing washing services.
- Designed and applied user-friendly UI/UX using React Native, Tailwind CSS and modern design principles.

## EDUCATION

### National University of Sciences and Technology (NUST)

Bachelor of Science in Software Engineering.

CGPA - 3.21/4

## ACHIEVEMENTS

- **2nd Prize Winner** in the [Talk Talk Korea Competition 2024 \(International\)](#) in motion graphics category, using **Unreal Engine**, **Character Creator 4**, **iClone**, and **Blender**.

**LANGUAGES** : Urdu ( native ) , English ( proficient ).