

# Ali Shahzad

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## SUMMARY OF QUALIFICATIONS

I have applied a comprehensive tech stack across diverse projects, leveraging **React**, **Next.js**, **Node.js**, **TypeScript**, **Tailwind CSS**, **Three.js**, and **MongoDB** in Full-Stack MERN development for restaurant portfolio sites and POS billing systems with **PRA/FBR API integrations**. I have implemented **Jest** and **JUnit** for rigorous unit testing of B2B flight APIs and travel portals as an SQA Engineer. In AI-driven projects, I utilized **Python**, **OpenAI APIs**, **Google STT/TTS**, **ChromaDB**, and custom backends to build generative AI platforms and voice agents, while also employing **Flutter** for mobile tourism apps and **Tailwind** with **Node.js** for responsive web platforms.

## EDUCATION

**FAST - National University of Computer & Emerging Sciences**

September 2021– December 2025

Bachelor's in Software Engineering

## TECHNICAL SKILLS

**Languages** Python, JavaScript, TypeScript, PHP, C++, C, C#  
**Web Tech** React, Next.js, Node.js, Express, Django, HTML5, CSS3, Tailwind CSS  
**Databases** MySQL, PostgreSQL, MongoDB, Firebase, Supabase  
**AI & Voice** OpenAI API, LangChain, Vapi, Twilio, LiveKit, STT/TTS, OpenCV  
**DevOps & Tools** Git, GitHub, Docker, CI/CD, Postman, JIRA, Selenium  
**Automation** n8n, Make.com, Zapier, REST APIs, Webhooks

## PROFESSIONAL EXPERIENCE

**QA Engineer**

November 2025 – Present

*Ibtidiah Solution*

- Main QA working side-by-side with the PM to ensure bug-free applications and help in scaling apps.
- Used **Selenium** for automated test cases; learnt and applied accessibility testing.

**Senior SQA Engineer**

September 2025 – November 2025

*Journey Online*

- Used **Jest** and **JUnit** testing to validate unit testing for B2B flight APIs and business-to-business travel portals, ensuring system stability and live data integrity.

**Senior Full Stack Web Developer and Designer**

December 2024 – November 2025

*The Legacy Group (Bukhara, Sitara Marquee)*

- Developed restaurant portfolio sites and **POS** billing systems using **TypeScript**, **Tailwind CSS**, **Three.js** with **Node.js** and **Next.js** backend; integrated **PRA/FBR APIs** and **MongoDB** in MERN stack; designed frontend in **React/Tailwind/Three.js** and implemented backend.
- **Site 1:** bukharabylegacy.netlify.app **Site 2:** tajmehalmarquee.netlify.app
- Created and managed social media design assets to enhance brand presence.

**Marketing Director**

September 2022 – January 2025

*AIESEC in Faisalabad*

- Led a **15+ member marketing team**, progressing from Member to Director; designed posts, coordinated design of posters, flexes, campaign materials and all visual content.
- Increased audience engagement by **200%** through **data-driven campaigns**.

## PROJECT EXPERIENCE

**Tailor Gen AI Platform (Freelance Contract)** Demo Link: [tailorgen.netlify.app](#)

*Generative AI-empowered apparel shopping platform*

- Integrates image generation for designs, **Three.js/Blender-based 3D models** with **UV mapping** to showcase designs on models, **virtual try-on APIs** for facial preview, and **MediaPipe landmark detection on full-body images** to recommend apparel sizes with up to **1cm accuracy**.

**Pick A Lock Voice Agent (Freelance Contract)**

*AI-powered voice assistant for smart lock systems*

- Built using **Google's TTS/STT**, **custom LLM** for chat, **ChromaDB** for JSON storage of calls/orders; enabled fully voice-based ordering via custom **Python backend**.

## ADDITIONAL EXPERIENCE

**HealthPharm Management System**

*Enterprise healthcare platform with POS (Tailwind + Node.js backend)*

2025

**Legal Document Analyzer**

*AI legal assistant for document analysis (Tailwind + Node.js backend)*

2025

**Empower Youth Pakistan**

*Responsive Next.js nonprofit platform (Tailwind + Node.js backend)*

2024

**Wander We Mobile App**

*Flutter-based tourism app with AI travel recommendations*

2023