

# AQIB ALI

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## PROFESSIONAL SUMMARY

### Full Stack Engineer • AI, ML & GenAI Developer • Mobile App Developer

Dedicated Software Engineer with hands-on experience building scalable SaaS platforms, intelligent **AI/ML & GenAI applications**, cross-platform mobile solutions, and immersive 3D digital experiences. Specialized in delivering high-performance systems using **NestJS, Node.js, Express.js, Python (PyTorch, NumPy, Pandas, Scikit-Learn), Generative AI, LLMs, React Native, Expo, React.js, Next.js (App Router), MongoDB, Three.js, GSAP, and N8n Automation**. Experienced in training predictive models, architecting secure **JWT / Next-Auth authentication**, and designing automated AI workflow pipelines.

*“Blending technical performance with aesthetic precision to craft immersive digital experiences.”*

## TECHNICAL SKILLS

|                       |                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| Languages             | C, C++, Java, Python, JavaScript (ES6+), TypeScript, SQL                                                |
| AI & Machine Learning | Machine Learning (ML), Deep Learning (DL), GenAI, PyTorch, NumPy, Pandas, Scikit-Learn, LLMs            |
| AI & Automation       | N8n Workflow Automation, OpenAI APIs, AI Agents, Autonomous Pipelines, Prompt Engineering               |
| Frontend              | React.js, Next.js 14 (App Router), Redux Toolkit, Tailwind CSS, HTML5, CSS3, Shadcn/UI                  |
| Mobile Development    | React Native, Expo, Cross-Platform Mobile Apps, Mobile UI Integration, EAS Build & Deployment           |
| 3D & Animation        | Three.js, WebGL, GSAP, Framer Motion, GLTF/GLB Asset Compression, Particle Systems, Shaders             |
| Backend               | NestJS, Node.js (Express.js), Python (FastAPI, Flask), RESTful APIs, Next-Auth, JWT Auth, Microservices |
| Databases             | MongoDB, MySQL, PostgreSQL, Database Schema Design, Aggregation Pipelines                               |
| DevOps & Cloud        | Vercel, Git, GitHub Actions, CI/CD Pipelines, Docker Basics, Nginx                                      |
| Dev Tools             | Git, GitHub, VS Code, Postman, Figma, Linux                                                             |
| Architecture          | Scalable Architecture, Component-Based Design, JWT/RBAC Auth, XSS/CSRF Mitigation                       |

## EDUCATION

### Bachelor of Science in Software Engineering (BSSE)

2023 – Present

University of Central Punjab (UCP), Lahore

Expected 2027

- **Relevant Coursework:** Artificial Intelligence (AI), Machine Learning (ML), Data Structures & Algorithms (C/C++), Object-Oriented Programming (Java/C++), Software Requirements Engineering, Database Systems, Web Technologies.
- **Academic Projects:** Engineered full-stack production-grade applications using the **MERN stack, NestJS, Python & React Native**; developed predictive ML & Deep Learning models (PyTorch, Scikit-Learn, NumPy, Pandas) and OOP systems in **C, C++, and Java**.

## EXPERIENCE

### Full Stack Developer Intern — ForwardSols, Lahore

Jan 2024 – Oct 2024

- Developed and launched **ForwardSols.com** using **React, Next.js, and the MERN stack**, creating a high-performance modern agency web platform.
- Engineered immersive UI animations with **GSAP, Three.js, and Framer Motion**, boosting user engagement by **40%**.
- Implemented responsive design principles for cross-device compatibility and optimized site performance through code splitting, lazy loading, and asset minification.
- Collaborated closely with design teams to translate Figma mockups into interactive, accessible, and high-conversion web experiences.

### 3D Web & Mobile App Developer — Freelance & Independent Projects

2024 – Present

- Built cross-platform mobile apps with **React Native & Expo** and 3D web experiences using **Three.js**, particle systems, and GSAP animations.
- Engineered scalable full-stack applications and AI automation pipelines with **Python, Next.js, and N8n**, sustaining **500+ req/min with 99.8% uptime**.
- Developed secure **JWT authentication** protecting 50k+ user accounts mitigating XSS/CSRF risks.

LICENSES & CERTIFICATIONS

|                                                                                                                                                                |                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Certificate in IT (Web Development) — Grade A</b> — NAVTTC / Viper Technology                                                                               | Jul 2025                                  |
| <i>PM's Special Initiative for Information Technology   Reg: P-25-963823</i>                                                                                   | <a href="#">View Verified Certificate</a> |
| • Completed government-certified professional training program in modern web application engineering, frontend/backend architecture, and deployment standards. |                                           |
| <b>Full Stack Web Development (Grade A)</b> — Ideoversity, Arfa Technology Park, Lahore                                                                        | 2025                                      |
| <i>Credential ID: 513038</i>                                                                                                                                   | <a href="#">View Verified Certificate</a> |
| • Comprehensive training covering advanced MERN stack architecture, Next.js development, RESTful APIs, database design, and production deployment.             |                                           |
| <b>Web Design and Development</b> — freeCodeCamp                                                                                                               | 2024                                      |
| <i>Credential ID: 24abc524f3d68...</i>                                                                                                                         |                                           |
| • Mastered responsive web design, semantic HTML5, modern CSS3 styling, and JavaScript data structures and algorithms.                                          |                                           |

RECENT PROJECTS

|                                                                                                                                                                                                                     |                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>PalmTV (Cross-Platform Mobile Application)</b>                                                                                                                                                                   | <a href="#">expo.dev/palmtv-build</a>               |
| Built and published a high-performance cross-platform mobile media application using <b>React Native and Expo</b> , featuring smooth media playback, responsive UI, and optimized EAS cloud build pipelines.        |                                                     |
| <b>ForwardSols (Agency Platform)</b>                                                                                                                                                                                | <a href="#">forwardsols.com</a>                     |
| Developed and launched official agency platform using <b>React, Next.js, and MERN stack</b> with <b>GSAP animations</b> , boosting user engagement by 40%.                                                          |                                                     |
| <b>Aqib Ali Portfolio (3D Web Experience)</b>                                                                                                                                                                       | <a href="#">aqibali.me</a>                          |
| Engineered an immersive personal portfolio featuring <b>Three.js 3D scenes, particle effects, scroll triggers</b> , and sub-2s load times with a <b>95+ Lighthouse score</b> .                                      |                                                     |
| <b>AI Workflow &amp; Chatbot Automation (N8n &amp; AI Platform)</b>                                                                                                                                                 | <a href="#">forwardsols.com</a>                     |
| Designed automated AI pipelines and scalable RESTful APIs integrating <b>N8n workflow automation, AI agents, and OpenAI APIs</b> , sustaining 500+ requests/min with 99.8% uptime.                                  |                                                     |
| <b>HR &amp; SaaS Analytics Dashboard (Enterprise Platform)</b>                                                                                                                                                      | <a href="#">forwardsols.com</a>                     |
| Built real-time interactive analytics dashboards with <b>live data visualizations</b> , improving HR management decision speed by <b>45%</b> .                                                                      |                                                     |
| <b>3D WebGL Galaxy &amp; Model Visualizer (Interactive 3D)</b>                                                                                                                                                      | <a href="#">forwardsols.com</a>                     |
| Created high-performance WebGL/Three.js interactive scenes featuring <b>GLTF compression, custom shaders, and bloom effects</b> , reducing GPU memory by <b>40%</b> .                                               |                                                     |
| <b>3D Product Customizer (E-Commerce Platform)</b>                                                                                                                                                                  | <a href="#">forwardsols.com</a>                     |
| Engineered real-time 3D asset inspection with <b>360-degree rotation, texture mapping, lighting controls</b> , and e-commerce configuration workflows using Three.js.                                               |                                                     |
| <b>EdTech Learning Management System (SaaS)</b>                                                                                                                                                                     | <a href="#">forwardsols.com</a>                     |
| Engineered component-driven course management workflows, interactive quizzes, and student progress tracking with <b>Next.js 14 and Next-Auth</b> .                                                                  |                                                     |
| <b>High-Performance Landing Page Engine (Web Platform)</b>                                                                                                                                                          | <a href="#">forwardsols.com</a>                     |
| Architected ultra-fast landing pages with <b>Next.js SSR/SSG, Tailwind CSS, and Framer Motion</b> , maintaining perfect Core Web Vitals and SEO rankings.                                                           |                                                     |
| <b>LightingZone (E-Commerce Store &amp; Platform)</b>                                                                                                                                                               | <a href="#">lightingzone.store</a>                  |
| Developed a modern e-commerce lighting store featuring <b>Next.js, responsive catalog browsing, product filtering, cart management, and seamless checkout workflows</b> .                                           |                                                     |
| <b>Inventory Store (Full-Stack Management Platform)</b>                                                                                                                                                             | <a href="#">inventory-store-frontend.vercel.app</a> |
| Architected a full-stack inventory store and stock management platform using <b>Python, Next.js, and RESTful APIs</b> , featuring live inventory tracking, product catalog controls, and automated order workflows. |                                                     |