

MUHAMMAD ABUBAKER NAEEM

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Profile

Full-stack Engineer and recent graduate with hands-on experience in building web applications using React, Next.js, Node.js, and MongoDB. Skilled in developing AI-driven assessment systems using Gemini LLM prompts, face verification (face-api.js), Web Speech API, and browser-based IDEs. Experienced in implementing proctoring systems, REST APIs, and responsive UIs with clean architecture and automated testing. Passionate about embedded systems, AI integration, and microservice-based architectures.

Skills

- **Frontend & UI:** Javascript, TypeScript, React, Next.js, Vue.js, React Native, WinUI3 (Xaml, C#), Tailwind CSS, Material-UI, Antd
- **Backend & Databases:** Node, Express, NestJS, MongoDB, Firebase, MySQL, MSSQL, NOSQL, Rest APIs, Microservices (Basic)
- **Tools & Testing:** Git, CI/CD (Git-based), Deployment (Vercel, Railway, Render), Testing Tools (Playwright, Jest, NUnit, Selenium)
- **Concepts & Soft Skills:** OOP, Distributed Systems (Basic), Full-Stack Development, Frontend, Backend, Mobile & Desktop Development

Experience

Associate Software Engineer Intellicode *Lahore, Punjab, PK* **08/2024 - Present**

- **Developing DoLife ERP (Next.js)** with role-based dashboards, onboarding forms, and responsive UI using modular frontend architecture.
- **Contributed to mobile development for Asyeh ERP and Lockstop** (embedded system) in React Native, including UI components, navigation logic, and map integrations.
- **Previously worked on Algoras (React) and Funelia (Next.js)**, handling form logic, UI fixes, and layout enhancements.
- **Actively optimizing performance for Lockstop and DoLife**, focusing on stability, load time improvements, and smoother user experience across web and mobile platforms.
- **Stack:** React, Next.js, React Native, JavaScript, Git, UI/UX, Pull Requests, Unit/Integration/E2E Testing.

Education

Bachelor of Science Lahore Garrison University *Lahore, Punjab, PK* **10/2021 - 06/2025**

- Major in Software Engineering
- Cgpa 3.53

Projects

- **HireSwift:** Built an AI-powered assessment platform with real-time proctoring, LLM-based evaluation, and face verification using React, Node.js, and face-api.js **(5/2025 - Present) - Final Year Project**
- **Report Validator for HireSwift:** Blockchain project utilizing ethereum smart contracts and metamask wallet to validate hireSwift assessment reports **(6/2025)**
- **DoLife ERP:** Currently developing frontend modules for a mid-scale ERP system using Next.js, including dynamic forms, role-based dashboards, and modular UI flows. **(Present)**
- **Funelia:** Contributed to a funnel builder web application in Next.js focusing dynamic forms funnels creation, UI validation, and responsive layout handling. **(10/2024)**
- **Algoras E-Invoicing:** Maintained and updated a React-based ERP system, focusing on bug fixes, UI polishing, and layout responsiveness. **(08/2024 - 10/2024)**
- **Asyeh ERP (Mobile):** Worked on cross-platform mobile UI components using React Native for a business ERP system. **(10/2024 - 12/2024)**
- **Lockstop (Embedded UI):** Supporting frontend integration, map rendering, turn-by-turn navigation, and mobile app maintenance; also providing mentorship for the admin portal. **(Dec 2024 - Present)**
- **Taskify:** Android app developed using **Java, Firebase, and XML**, aimed at centralizing the labor force by allowing users to offer and request services on a unified platform. **(Term Project)**
- **Formula-1 Team Manager:** Developed a .NET desktop app using WinUI3 (XAML, C#), MongoDB Atlas, NUnit, and Jira (Scrum); packaged with MS Installer. **(Term Project)**

Extracurricular & Industry Engagment

- Delivered a guest lecture on *Human Intelligence vs Machine Learning* for the university ML course.
- Attended GDSC events, *Girls Make Games*, and an industry visit to Confiz.
- Participated in university tech seminars on AI, web development, and software innovation.

Professional Traits

- Problem Solving • Team Management • Consistency • Adaptability • Mentorship • Accountability • Decision Making • Attention to Detail
- **Languages:** English, Urdu – *Professional Proficiency*