

MUHAMMAD YAHYA

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SUMMARY

Full-stack software engineer with strong experience in JavaScript, TypeScript, React, React Native, and Python. Skilled in REST APIs, real-time systems, Firebase integration, and hardware SDK implementation. Passionate about shipping production features and collaborating with high-performing teams.

WORK EXPERIENCE

Devsinc | Lahore, Pakistan

Associate Software Engineer

Sep 2025 - Present

Client Project: Threshold360 — a US-based virtual tour platform serving 5,000+ virtual tours.

- Led React Native CLI development (iOS & Android); revamped full app UI & core workflows ; camera connectivity, real-time indicators, in-app messaging & upload pipeline.
- Integrated Insta360 SDK for 360° capture & video recording with live controls (ISO, HDR, white balance), battery monitoring & multi-device support (X4, X5); engineered background upload system with queue management, chunked 360 videos, auto-retry & mobile data support.
- Built in-house Scheduler (replacing Vonigo), Firebase push notifications with deep linking, gallery import fallback & NewRelic crash logging.
- Developed Mapbox custom map styling (React.js web); runtime layer personalization persisted to customers website for iframe embed.

Software Engineering Intern

Jul 2025 - Aug 2025

- Built web apps with React, Node.js, REST APIs; auth, product listings & user management.

Artilece | Lahore, Pakistan

Artificial Intelligence Intern

Jul 2024 - Sep 2024

- Built web apps with FastAPI & ReactJS; developed RAG chatbot, AI domain finder & interviewer.

PROJECTS

- ★ **Threshold360** | **React Native CLI, Javascript, TypeScript, Firebase, Mapbox, Insta360 SDK** *Associated with Devsinc*
Production mobile & web platform for 1,000+ US-based photographers.
- ★ **Edvenity** | **Python, FastAPI, Next.js, VAPI, LangChain, OpenAI API** *Associated with UMT (FYP)*
AI recruiting platform with real-time voice interviews, candidate evaluation & hiring analytics.
- ★ **UMT Knowledge Chatbot** | **Python, Scrapy, LangChain, OpenAI, ChromaDB, Streamlit** *Associated with Artilece*
Scraped UMT website, indexed content in ChromaDB & built a RAG pipeline for students to query university info & policies.

EDUCATION

University of Management & Technology (UMT)

Bachelor of Science in Computer Science (BSCS) - CGPA 3.19

Nov 2021 - Jul 2025

Relevant Coursework: AI, Machine Learning, Deep Learning & Neural Networks, NLP, Computer Vision, Advanced Web Technologies.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, HTML5, CSS3, SQL
- **Frontend:** React.js, React Native, Redux, Redux Toolkit, Zustand, responsive design, state management
- **Backend:** Node.js, Express.js, FastAPI, REST API design, GraphQL, real-time systems, microservices
- **Mobile:** React Native (iOS/Android), Xcode, Android Studio, hardware SDK integration (Insta360), performance optimization
- **Databases:** Firebase (real-time DB, Firestore, authentication), MongoDB, Realm, SQL databases
- **Cloud & DevOps:** Docker, CI/CD pipelines, Firebase cloud functions, serverless architecture
- **Tools & Platforms:** Git, GitHub, JIRA, GitHub Projects, Postman, NewRelic, Twilio, Mapbox, EmailJS

ADDITIONAL INFORMATION

- **Certifications:** The Ultimate React Course (Udemy), Introduction to Backend Development (Meta), Git & GitHub (IBM), Neural Networks & Deep Learning (DeepLearning.ai).
- **Leadership:** President, UMT ACM Society; led 30-member team & 500+ community; organized hackathons (SURGE, TECHVERSE), workshops & tech sessions; collaborated w/ SOFTEC'24, NasCon'24, IEEE & GDSC.