

Syed Ali Raza

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DevAliRaza
in Ali Raza

EDUCATION

- FAST NUCES Lahore** CGPA: 3.3
Bachelor of Science in Computer Science 2021 - 2025
- Govt. College University Lahore**
Intermediate in Computer Science 2019 - 2021

SKILLS SUMMARY

- Languages:** C/C++, Python, Java, JavaScript, SQL
- Frameworks:** ASP.NET Core, Angular, ReactJS, NextJS, Scikit-learn, Spacy
- Tools:** Git, GitHub, Android SDK, Firebase, Wazuh, ELK Stack, Supabase, Twilio, Retell AI
- Platforms:** Visual Studio Code, Windsurf, Jupyter Notebook, Kaggle, Digital Ocean, Google Collab
- Soft Skills:** Problem Solving, Team Collaboration, Technical Communication, Agile Development

EXPERIENCE

- e3 Solutions** Summer 2025
Associate Software Engineer
 - Worked on an AI-powered hotel frontend platform using FastAPI, Next.js, and Supabase, enabling automated reservations, delivering real-time catering services, and improving the NLP performance of the voice agent. Additionally, implemented CI/CD pipelines for seamless deployment on DigitalOcean.
 - Contributed on a comprehensive travel aggregation platform leveraging GDS integration to provide users with real-time hotel and flight booking capabilities across multiple providers, and set up CI/CD workflows for efficient deployment and updates.
- Medcare MSO Global** Summer 2024
Software Development Intern
 - Developed Angular 14 components with TypeScript for EHR system's patient dashboard
 - Designed RESTful APIs using ASP.NET Core 6 with Entity Framework and SQL Server for medical records
 - Collaborated with cross-functional teams implementing EHR systems to improve data management

PROJECTS

- AI-Driven Anomaly Detection System** Ebryx
 - Developed cybersecurity solution using Wazuh SIEM, Elasticsearch as a database, Logstash, and Kibana dashboard
 - Implemented Python-based anomaly detection using Isolation Forest providing high level and statistical features
 - Designed real-time alerting system with backend for incident response automation and model adaption to new data
- Hotel Front Desk Voice Agent**
 - Engineered a Y Combinator-funded AI voice agent using real-time speech recognition and language understanding models to automate hotel front desk workflows, enabling natural two-way conversations with guests.
 - Utilized Twilio audio streams and Retell AI for real-time audio processing and conversational orchestration, ensuring context-aware, human-like responses across multiple guest service scenarios.
 - Designed NLP pipelines for intent detection, entity extraction, and dialogue management, allowing the agent to handle tasks such as check-ins, room availability queries, and service requests autonomously.
- Full-Stack Travel Booking Application**
 - Built a full-stack travel booking platform using Next.js, Node.js/Express, and Supabase authentication, integrating with complex third-party Fora API to enable hotel search, booking creation, and client profile management.
 - Implemented an end-to-end flight search and booking module using the Skyscanner API, enabling IATA-certified flights search, availability checks, and booking creation through secure, authenticated third-party API integrations.
- RAG-Based Document Chatbot**
 - Developed RAG system with Hugging Face transformers, BERT embeddings, and OpenAI integration
 - Implemented Pinecone vector database with effective indexing and custom document chunking methods
 - Built a user-friendly UI and provided the top most matching responses to the user according to their prompts
- NutriXpert: AI Nutrition Advisor**
 - Created Android app using JAVA, XML, Firebase database, using Android Studio
 - Integrated TensorFlow Lite with MobileNetV2 for on-device nutritional content analysis
 - Implemented Firebase Cloud Functions, Firestore, and Authentication for data syncing

CERTIFICATES

- Machine Learning by Stanford University on Coursera** Summer 2024
- Dean's List of Honor 2x**
FAST NUCES Lahore
- ML Trainee - Rapide Technologies** Fall 2024