

MUHAMMAD WALEED ASHRAF

waleed.ashraf1601@gmail.com • 03127948884 • <https://github.com/waleed-2002>

www.linkedin.com/in/waleed-ashraf2002

SUMMARY

Versatile and results-driven Frontend Developer and Full Stack Engineer with a strong background in building dynamic, responsive web applications using React.js, Next.js, and Node.js. Experienced in developing scalable frontend interfaces and robust backend systems, with a solid foundation in AI and machine learning integration.

WORK EXPERIENCE

AI/ML Engineer – Advancing Data Solutions (Dec 2025 – Present)

Building and deploying production-grade pipelines for document processing & automation.

AI Engineer – Sangtra.ai (July 2025 – Nov 2025)

Designed and deployed AI-driven applications using LLMs, RAG pipelines, and FastAPI.

AI & Full Stack Developer – Voltic (Jan 2025 – Jun 2025)

Developed and deployed machine learning models for multiple applications.

Full Stack Developer – Fista Solutions (Jun 2024 – Aug 2024)

Developed and maintained front-end and back-end systems using Next.js.

PROJECTS

AI-Powered Recipe Generation & Image Extraction System

- Deployed LLaMA 3.2 3B Instruct for recipe generation with RAG, Gemma 4B IT for flyer text extraction, and SDXL for recipe image generation on Runpod A40 GPU servers.
- Automated model execution and uptime management using PM2, ensuring high availability.

RAG-based Chatbot with LLM and Reactjs

- Developed a chat-bot leveraging Retrieval-Augmented Generation (RAG) to answer queries.
- Built an intuitive and responsive frontend using React.js.

AI Healthcare Appointment Voice Agent

- Developed an AI-powered voice assistant using ElevenLabs and n8n to handle end-to-end healthcare appointment bookings through natural speech.
- Integrated Google Calendar and Gmail for automated scheduling and email confirmations, improving patient experience and reducing manual workload.

Ritual Generator Web App

- Developed and deploy an nextjs web app using llm for ai ritual generotor with docker and nginx

Final Year Project : “AI-RiceHarbor App” (TensorFlow, MobileNetV2, Flutter)

- Accurate rice type prediction using MobileNetV2 and TensorFlow/Keras.
- Direct connection between buyers and farmers for transparent transactions.

EDUCATION

Bachelor of Computer Science 2020-2024

National University of Computer and Emerging Sciences (FAST NUCES)

FSc Pre-Engineering 2018-2020

Punjab Group of Colleges

ADDITIONAL INFORMATION

- Technical Skills:** ReactJs, MERN, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, LLM Fine-tuning, API Development, FastAPI, Prompt Engineering, AWS (EC2, S3, Bedrock)