



Rana Jehanzeb Akram

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Education

FAST-NUCES, Islamabad Campus

2024

BS(SE)

Majors: Artificial Intelligence, Data Science, Full Stack Development

Projects

Final Project:

Gender-DEI-ChatBot (Retrieval Augmented Generation, Python (Programming Language), Large Language Models (LLM), React.js, Flask)

The Gender-DEI Bot, a pioneering chatbot designed to enrich discussions on gender diversity, equity, and inclusion. Powered by a finely-tuned Llama 2 model.

Semester Projects:

Intelligent Healthcare System (MERN) (React.js, Node.js, Express.js, MongoDB)

"Revolutionize healthcare with an intelligent system powered by the MERN Stack."

Merxium: Next-Gen Online Exchange Platform (React.js, Node.js, MongoDB, JWT (JSON Web Tokens), Socket.io)

Merxium: Empowering seamless commerce through cutting-edge MERN stack technology.

Work Experience

Backend & AI Lead, Physiiq.

Feb 2025 – Present

As the Backend Lead for a fitness app incorporating AI-driven features, I was responsible for developing and maintaining the core backend infrastructure. My role was critical in ensuring that the platform could scale efficiently, remain secure, and provide a seamless user experience. I played a central part in both the architecture and cloud aspects of the app, with a focus on advanced AI integrations.

Software Product Lead, RedCoast.

June 2024 – Present

As the Software Product Lead at RedCoast, I led the architecture and development of AI-driven features for a large-scale product serving the U.S. restaurant market. I was responsible for overseeing the entire backend infrastructure, including the design and maintenance of an intuitive admin portal that empowered restaurant managers to efficiently manage their operations. My role spanned from strategic leadership to hands-on technical development, ensuring the platform was scalable, secure, and high-performing.

Lead Backend Engineer, psychiatrai

June 2024 – Feb 2025

I develop and maintain the core infrastructure of a mental health app, delivering scalable, secure, and efficient backend services. My role includes designing APIs, managing databases, ensuring system reliability and integrate advanced technologies to enhance user experience

Research Collaborator & AI-Developer , UrduX Limited

October 2023 - June 2024

Worked on integrating cutting-edge language models (LLMs) and AI-driven chatbots to enhance user engagement and deliver intelligent solutions. Focused on developing customized conversational AI systems, optimizing natural language processing (NLP) for multilingual platforms, and collaborating on innovative research projects.

Software Engineer, S&P GLOBAL

June 2023 - September 2023

Enhanced intranet UX for 44,000 employees at S&P Global by refining search, automating tasks, and facilitating collaboration.

Skills & Tools

Professional Skills: Leadership, Analytical Skills, Problem Solving, Time-Management, Project Management

Technical React.js, Node.js, Html/Css, Java, Python, Git, JavaScript, Flask, Devops, NLTK, Slack, PowerBi,
Skills: Django, SQL, Nosql, Next.js, LLM, RAG, JIRA, JWT (JSON Web Tokens)

Training / Certification

AWS Academy Graduate - AWS Academy Cloud Foundations

Foundations: Data, Data, Everywhere

Generative AI with Large Language Models

IBM Full Stack Software Developer Specialization

Use Power Bi for Financial Data Analysis

Interests

Sports, Technology, Volunteer Work