Muhammad Danish Raza

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Full-stack Software Engineer experienced in MERN stack and Next.js, building scalable web and AI-powered apps. Skilled in REST APIs, frontend/backend development, AWS, microservices, and AI Automation.

Education

Institute Of Business Administration, Karachi, Bachelor of Science in Computer Science   **August 2021 – May 2025**

- GPA: 3.2/4.0
- **Coursework:** Software Engineering, Cloud Computing, Competitive Programming, Intro to DevOps, Data Structures, Database Systems, Intro to Machine Learning, Human Computer Interaction, Big Data Analytics, Business Intelligence

Technical Skills

Programming – Python, HTML, Tailwind CSS, JavaScript, TypeScript
Frameworks – Node.js, React.js, Next.js, Express.js, Jest
Database – MongoDB, SQL
Software Tools – Figma, Git, Jira, Power BI, Tableau
Cloud Computing – AWS, Azure

Work Experience

Software Engineer Intern, Heuser Edu   **June 2024 – August 2024**

- Developed a comprehensive learning platform using React.js, Next.js, and MongoDB with course browsing, program enrollment, and real-time chat support, collaborating with UI/UX teams to optimize the interface and increase conversion rates by 15%.
- Deployed the application on Vercel and AWS S3 with Google Analytics integration and SEO optimisation, including Open Graph, achieving a 200% increase in site traffic.

Business Analyst Intern, HP Tech Ventures via Extern – Remote   **April 2024 – May 2024**

- Conducted comprehensive research and analysis on 50+ pre-seed and seed stage startups using industry metrics and business model evaluation, employing Python for data cleaning and Tableau for advanced visualisation to enhance analytical clarity.
- Identified and recommended three high-potential startups for strategic HP investments totaling $10 million, based on trend analysis, market research, and performance indicators facilitating their progression to the due diligence phase.

Projects

AI Recruitment Engine - RecruitWise AI   www.recruitwise.io

- Developed RecruitWise.io, a comprehensive AI-powered recruitment platform that conducts real-time interviews using LLMs, text-to-speech (TTS), and speech-to-text (STT) to simulate realistic interview experiences. The platform features a modern UI where users can discover jobs, apply, and complete interviews all in one place.
- Implemented anti-cheating features using computer vision models and achieved 90% accuracy in detecting suspicious activity.
- Tools Used: Llama 3.3, Ollama, Groq, YoloV8, MediaPipe, React, Shadcn, MongoDB, Node.js, Nest.js, Docker, AWS, ElevenLabs.

Real Time E-Commerce Data Pipeline   Github Link

- Built a real-time, fault-tolerant microservices-based data pipeline for e-commerce analytics, enabling 99.9% reliable ingestion and processing of live data streams for real-time business insights via Streamlit dashboards.
- Tools Used: Apache Kafka, Apache Spark, MongoDB, Apache NiFi, HBase, Streamlit, Docker, Python, Kaggle API.

Extracurriculars and Leadership Experience

IBA Arts & Photography Society

- Led video marketing for Valorant gaming segment of Enigma X, the flagship event of IBA, successfully gaining over 10K+ views. Oversaw operations on event day, ensuring the competition goes through smoothly.

IBA Office Of Student Affairs

- Volunteered as an orientation captain at the IBA OGala, where I mentored 20+ incoming students, guiding them through orientation and campus onboarding.

Certifications

AWS SAA C03 - Solutions Architect   Ongoing