

MUHAMMAD AETZAZ ASHRAF

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LinkedIn | GitHub | Portfolio

SUMMARY

Software Engineering graduate from FAST-NUCES with strong expertise in modern web development, MERN/Next.js applications, automation workflows, and AI-powered systems. Experienced in building scalable, maintainable solutions using React.js, Node.js, REST APIs, and n8n automation. Passionate about solving real-world problems through clean architecture and efficient system design.

EDUCATION

FAST-NUCES

BS Software Engineering

Islamabad, Pakistan

June 2025

F.G Degree College for Men

F.Sc. Pre-Engineering

Wah Cantt, Pakistan

2018 – 2020

PROJECTS

Shopify Customer Support Automation (n8n, Gemini, Shopify API)

2025

- Designed and developed an AI-powered customer support automation system using n8n and Shopify Admin APIs.
- Implemented real-time order tracking, product lookup, automated email handling, and conversation memory.
- Integrated webhooks, external APIs, and custom logic to deliver a fully autonomous support assistant.

AI-Powered Travel Package Automation Workflow (n8n)

2025

- Built an automated system for travel package recommendations, booking flow, and customer interaction.
- Integrated AI models, webhook triggers, database operations, and conditional logic.
- Unified multiple automation workflows into a scalable multi-flow architecture.

ShopNow E-Commerce Platform (Next.js, Tailwind CSS)

2024

- Developed a fully responsive e-commerce platform with product listings, cart, checkout, and authentication.
- Implemented global state management using React Context API.

Blog Platform (Next.js, Express.js, MongoDB)

2024

- Built a complete blogging system with authentication, article CRUD, comments, and reactions.
- Designed and implemented RESTful APIs using Express.js and MongoDB.

End-to-End Data Engineering Pipeline

2025

- Implemented a full ML and data engineering pipeline using DVC, Airflow, MLflow, Docker, and Kubernetes.
- Enabled experiment tracking, workflow automation, and CI/CD for machine learning workflows.

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, C#, Java, SQL

Web Technologies: React.js, Next.js, Node.js, Express.js, MongoDB, Tailwind CSS

Automation: n8n, Zapier, Make.com

DevOps: Git, GitHub Actions, Jenkins, Docker, Kubernetes

Other Tools: Postman, JWT, BcryptJS, DVC, MLflow, Apache Airflow

EXPERIENCE

CODIRO Technologies

Sept 2025 – Present

Software Engineer

- Developing high-performance web applications using React.js, Next.js, and REST APIs.
- Building scalable backend services with Node.js and Express.js.
- Collaborating with cross-functional teams to deliver optimized and user-centric solutions.