

# MUHAMMAD AETZAZ ASHRAF

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LinkedIn | GitHub | Portfolio

## SUMMARY

Software Engineering graduate from FAST University specializing in modern web development and automation systems. Skilled in building scalable applications with MERN/Next.js and currently expanding expertise in automation, data engineering, and AI-driven workflows. Passionate about solving real-world problems using smart and efficient system designs.

## EDUCATION

### FAST-NUCES

Islamabad, Pakistan

*BS Software Engineering*

June 2025

### F.G Degree College for Men Wah Cantt

Wah Cantt, Pakistan

*F.Sc. Pre-Engineering*

2018 – 2020

## PROJECTS

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

2024

- Developed a modern and fully responsive e-commerce platform with product listings, cart management, checkout flow, and user authentication.
- Implemented state management using Context API.
- Integrated clean UI using Tailwind CSS and reusable components.

### n8n AI-Powered Travel Package Automation Workflow

2025

- Built an automated workflow in n8n that handles travel package recommendation, booking automation, and user interaction.
- Integrated OpenAI, webhook triggers, database operations, decision logic, and conditional flows.
- Connected multiple workflows into one unified pipeline to automate complete user journeys.

### Blog Platform (Next.js + Tailwind CSS + Express.js)

2024

- Built a dynamic blogging system with authentication, article CRUD, comments, likes, and social features.
- Implemented a REST API backend with Express and MongoDB and a responsive UI using Next.js.

### Appointment and Scheduling Management System (MERN Stack)

2024

- Developed a multi-role appointment booking system including availability, notifications, and resource scheduling.
- Built using MERN stack with modular microservice-oriented structure.

### End-to-End Data Engineering Pipeline

2025

- Developed a complete data pipeline integrating DVC, Apache Airflow, MLflow, Docker, and Kubernetes.
- Focused on versioning, workflow automation, CI/CD for ML, and container orchestration.

## TECHNICAL SKILLS

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

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

**Automation Workflows:** n8n, Zapier, make.com

**DevOps Tools:** GitHub Actions, Jenkins, Docker, Kubernetes

**Others:** DVC, MLflow, Apache Airflow, JWT, BcryptJS

## EXPERIENCE

### CODIRO Technologies

Sept 2025 – Present

*Software Engineer*

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