


MUHAMMAD ZAFAR ALI

Full-Stack Developer (MERN + AI/ML)

Lahore, Pakistan

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Summary

Computer Science student skilled in AI, Data Science, and Full-Stack (MERN) Development. Built projects like Wanderlust (Airbnb-style website), Zerodha trading platform clone, My-Space full stack app, and AI/ML models including Naive Bayes classifiers. Certified in Artificial Intelligence, Data Science, and Generative AI, with hands-on experience in both frontend/backend and AI Agents.

Skills & Abilities

Programming & Frameworks: Python, JavaScript, Node.js, React.js, Express.js, MongoDB, Bootstrap

Machine Learning & AI: Naive Bayes, Regression, Classification, Clustering, AI Agents (LangChain, RAG, Prompt Engineering)

Data Science Tools: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Jupyter Notebook

Other Tools: Git/GitHub, N8N, REST APIs, VS Code, AWS Bedrock

Experience

PEL (Lahore, Pakistan)

Aug 2024 – Oct 2024

Full Stack Developer Intern

- Contributed to a full-stack eCommerce web app using React.js, Node.js, Express.js, and MongoDB.
- Implemented user authentication, product listings, cart functionalities, and admin dashboard features.
- Collaborated with senior developers to deploy the project on Render and manage version control via GitHub.

Developers Cohub (Remote/Lahore)

Mar 2025 – May 2025

MERN Stack Developer Intern

- Built and maintained responsive and dynamic web interfaces using React.js and integrated REST APIs.
- Worked on backend logic with Node.js, Express.js, and MongoDB for CRUD operations.

Cortexis Solution Hub (Remote)

Aug 2025 – Sep 2025

Full Stack Developer Intern

- Developed **My-Space**, a full-stack app with weather API, live location, automatic quote generator, and note builder.
- Delivered 9+ small projects using reactjs nodejs and expressjs .
- Worked on backend optimization and UI enhancement using React.js, Node.js, Express.js, and Bootstrap.

Education

University of Education

In Progress

Bachelor of Science in Computer Science (BSCS)

CGPA: 3.5 / 4.0

Projects

Wanderlust Travel Platform (Airbnb-Style Website) | MERN Stack

- Built a travel booking website with authentication, listings, hotel reviews, and booking system.
- Designed clean Airbnb-style UI and deployed online.

Zerodha Clone (Trading Platform) | MERN Stack

- Developed a trading platform clone with frontend and backend.
- Implemented stock listing, order management, and dashboard with real-time data handling.

My-Space Full-Stack App | React.js, Node.js, Express.js, Bootstrap

- Created a productivity web app with live weather, location tracking, daily quotes, and a note builder.
- Designed responsive UI and deployed online.

Generative AI in AWS Bedrock | LLMs, API Integration

- Built generative AI workflows leveraging AWS Bedrock foundation models.

- Integrated AI into applications for text generation and automation.

n8n Automation Workflows | *RAG, APIs*

- Implemented Retrieval-Augmented Generation (RAG) pipelines.
- Built LinkedIn Post Generator and Customer Support Chatbot workflows using n8n + AI Agents.

Naive Bayes Text Classifier | *Python, Scikit-learn*

- Implemented text classification model with Naive Bayes achieving high accuracy.
- Used Python, Pandas, NumPy, Scikit-learn on real-world dataset.

Certificates

PEL Internship Certificate

Developers Cohub Internship Certificate

Cortexis Solution Hub Internship Certificate

Data Analytics Certificate – Analytix Camp

Data Science Certificate – Udemy

MERN Stack Development Certificate – Knowledge Gate

Generative AI in AWS Bedrock Certificate

Communication

Strong written and verbal communication skills, able to collaborate effectively, communicate technical concepts clearly, and contribute to project planning.