



Muhammad Ahmed

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Education

Lahore University of Management Sciences (LUMS)

BS Computer Science

Lahore, Pakistan

May 2024

Relevant Courses: Robot Motion Planning, Junior Design Studio-Robotics, Computer Vision, Deep Learning, Human-Computer Interaction and Design, Generative AI and Speech Processing.

Professional Experience

Houser – Backend Engineer

Apr 2025 – Present

- Building backend infrastructure for a US-based real estate startup that provides persona-based insights.
- Developed and optimized **basic and advanced filters** for different user personas.
- Implemented an **AI-powered bot** to improve property discovery and investment decision-making.

Texagon – Software Engineer

Sep 2024 – Apr 2025

- Contributed as a software engineer at a startup specializing in Software as a Service (SaaS), AI/ML solutions, large language models (LLMs), web and mobile applications, and AI-driven automation systems.
- Led backend development for *BeyondBytes*, an AI-powered tool that leverages LLMs to analyze user screen time, providing actionable feedback and insights through a dynamic dashboard.

Jazz – Data Analyst Intern

Jul 2023 – Aug 2023

- Analyzed one month of cell data in Central B region, identifying underperforming cells.
- Utilized Data Analytics Techniques to assess 9 Key Performance Indicators (KPIs) for cell performance.
- Reported findings to the relevant department, facilitating improvements and optimizing network performance.

E-Intel – Developer Intern

May 2023 – Jul 2023

- Contributed as a software developer intern at E-Intel, a startup focusing on healthcare technology.
- Created a web application named BBrythm, utilizing Muse band signals to reduce anxiety and stress levels.
- Developed and implemented the application, enhancing the product's functionality for users' mental well-being.

Projects

Astroma – AI Powered Astrology Platform

Oct 2025 – Mar 2026

- Built the backend infrastructure for an astrology mobile application using FastAPI, Gemini, and MongoDB, enabling personalized predictions, astrological insights, and compatibility reports.

KPI Tracking Platform – Healthcare Analytics Solution

Dec 2024 – Mar 2025

- Built interactive healthcare analytics dashboards with advanced filtering and reporting features, enabling efficient monitoring and analysis of key performance indicators (KPIs).

BeyondBytes – AI Powered Screen Analytics Platform

Sep 2024 – Dec 2024

- Built an AI-driven digital wellness platform using OpenAI models, RAG, and LangChain to analyze screen time patterns from workbook images and generate personalized insights.

Senior Year Project – ML Project

Sep 2023 – May 2024

- Developed an early prediction system using DL models which helped us predict the required conditions for the growth enhancement of tomato plants.

Certifications

- Full Stack Web Development Course
- Fundamentals of Deep Learning NVIDIA

Jun 2022 – Aug 2022

Oct 2021

Technical Skills

- | | | |
|--------------|-------------------------|--------------|
| • Python | • JavaScript/TypeScript | • SQL |
| • C/C++ | • Node.js | • Express.js |
| • NestJS | • FastAPI | • Django |
| • PostgreSQL | • MongoDB | • Supabase |
| • OpenAI | • RAG | • LangChain |
| • React.js | • NextJS | |

Soft Skills

- | | |
|-------------------|---------------------|
| • Problem Solving | • Critical Thinking |
| • Communication | • Time Management |