

Abdullah Naeem

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SUMMARY

Computer Science undergraduate with strong foundations in machine learning, full-stack development, and data engineering. Skilled in creating AI solutions using LangChain, developing modern web applications with React and Node.js, and implementing robust database architectures. Seeking challenging opportunities in data science, AI, and software engineering to drive impactful technological innovation.

EDUCATION

Forman Christian College University

Oct 2022 - May 2026

BSc Computer Science – CGPA: 3.28

Relevant Coursework: DB Systems, Machine Learning , Data Structures, Software Engineering, Web Development

Beaconhouse College Gulberg

Sep 2020 - Jun 2022

A-Level

SKILLS

Technical Skills: Python, SQL, C, R, HTML, CSS, JavaScript, React.js

Tools & Libraries: scikit-learn, MySQL, Pandas, LangChain, BeautifulSoup

Soft Skills: Presentations, Technical Writing, Team Collaboration

PROJECTS

Personal Portfolio Website — Personal Project [GitHub](#)

Technologies: React.js, HTML, CSS, JavaScript

- Built and deployed a modern, responsive personal portfolio website to showcase professional profile, projects, skills, certifications, and resume.
- Developed reusable React.js components and structured multi-page layout with responsive UI and navigation.
- Integrated GitHub Pages/Vercel deployment for live hosting and improved accessibility of work samples.

Housing Price Prediction Using Regression Models [Github](#)

Technologies: Python, scikit-learn, Pandas, Numpy

- Built a housing price prediction pipeline using real-world Taiwan housing data.
- Implemented Linear, Ridge, Lasso, ElasticNet, and Polynomial Regression models.
- Evaluated performance using MSE and R², achieving best results with Polynomial Regression (R² ≈ 0.73).
- Performed feature scaling, visualization, and model comparison for interpretability.

Movies Management System — Group Database Project [GitHub](#)

Technologies: MySQL, SQL

- Designed a normalized relational database with 9,500+ movie records.
- Implemented many-to-many relationships using junction tables.
- Wrote advanced SQL queries and stored procedures for analytics such as top-rated genres and actor films.

PROFESSIONAL EXPERIENCE

Teaching Assistant — Computer Networks

Sep 2025-Jan 2026

Forman Christian College University | Instructor: Sir Irfan Iqbal

- Assisted in grading quizzes and assignments and maintaining academic records.
- Supported students with course concepts and communicated feedback to the instructor.

Teaching Assistant — Introduction to Computing

Sep 2025-Jan 2026

Forman Christian College University | Instructor: Ms. Asma

- Evaluated quizzes and assignments and provided constructive feedback to students.
- Assisted students during lab sessions and reported progress and issues to the instructor.

WWF-Pakistan – Digital Eco Internship (remote)

Jun 2021

- Completed a remote internship focused on environmental awareness, research, and community engagement.

RESEARCH EXPERIENCE

Chatbots in Pakistani University Education

May 2023

- Conducted qualitative and literature-based research on AI chatbot adoption in Pakistani universities.
- Analyzed student and instructor use cases including tutoring, Q&A, and administrative support.
- Evaluated benefits, limitations, and ethical considerations of chatbot integration.
- Produced a formally structured academic report using APA referencing standards.

CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification – [DeepLearning.ai](#)

July 2025

- Advanced Learning Algorithms – [DeepLearning.ai](#)

Aug 2025

- Unsupervised Learning, Recommenders, Reinforcement Learning - [DeepLearning.ai](#)

Dec 2025

- Machine Learning Specialization - [Coursera](#)

Dec 2025