AAFREEN ZAHRA KAZMI

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SUMMARY

Final-year Computer Science student currently in 7th semester, with a solid foundation in Python, C++, SQL, and basic web development. Passionate about artificial intelligence with hands-on knowledge of machine learning, deep learning, and NLP concepts. Eager to apply technical skills and academic learning in real-world environments through challenging and growth-oriented opportunities.

WORK EXPERIENCE

AI/ML Intern – Siber Koza (NASTP Rawalpindi)   **July 2025 - Present**

- Learning to build a chatbot with UI for research and summarization tasks using LangChain, LangGraph, and LangSmith.
- Exploring integration of external tools like Gmail, WhatsApp, Notion, OneDrive, Tavity, and local file systems.
- Gaining practical skills in agent workflows, prompt handling, and trace debugging.
- Currently working on connecting mixed content sources for real-time responses and summarization.
- Still in progress: chatbot development, external tool integration, and response generation based on mixed content sources.

AI/ML Intern – Developers Hub Corporation (Remote)   **April 2025 - June 2025**

- Worked on real-world machine learning and deep learning projects using Python, scikit-learn, pandas, and BERT.
- Applied NLP techniques for sentiment analysis, emotion detection, and fake news classification.
- Gained practical experience in time series forecasting, anomaly detection, and satellite image analysis.
- **Key projects:**
    Financial Anomaly Detection on time series data
    Emotion Detection using BERT
    Fake News Classification using Naive Bayes
    Financial News Sentiment Analysis using NLP

EDUCATION

Bachelor of Science in Computer Science   **Sep 2022 - July 2026**

Fazaia Bilquis College of Education for Women, Rawalpindi Affiliated with Air University
Studying core computer science subjects including Programming, Data Structures, Databases, Machine Learning, Deep Learning, NLP, and Web Development. Currently in 7th semester with strong academic standing.

F.Sc. Pre-Medical   **July 2020 - July 2022**

Fazaia Inter College, Nur Khan Rawalpindi
Completed intermediate studies in Biology, Chemistry, and Physics with strong foundational skills in scientific analysis, critical thinking, and discipline.

ADDITIONAL INFORMATION

- **Technical Skills:**
  Python, C++, SQL, HTML, ML/DL/NLP, LangChain, LangGraph, OpenAI Agent SDK, Microsoft Office (Word, Excel, PowerPoint, Access), GitHub, Notion, Canva.

- **Languages:**
  English, Urdu, Punjabi

- **Awards/Activities:**
  Participated in CUST Hackathon
  Attended workshops on Big Data, AI for Career Development, and Professional Skills
  Presented multiple AI/ML projects at university showcase.

- **Courses & Certifications:**
  Certified and Agentic AI – PIAIC (Air University)
  Spoken English
  Creative Writing
  Graphic Designing
  WordPress
  Virtual Assistant
  Artificial Intelligence for Everyone – Boost Your Career Prospects with AI
  Personal & Professional Development Training

- **Hobbies & Interests:**
  Walking and spending time in nature
  Exploring productivity tools and automation workflows