

ANUM KOUSAR

Software Engineer

SUMMARY

Results-driven and creative Software Engineering undergraduate with strong expertise in both web and backend development. Proficient in building scalable, user-focused applications using React, Next.js and Python frameworks such as FastAPI and Flask. Experienced in developing secure RESTful APIs, integrating databases, and containerizing systems with Docker. Adept at problem-solving, performance optimization, and delivering maintainable software solutions.

EDUCATION

Bachelors in Software Engineering 2022 – 2026 (Expected)
International Islamic University, Islamabad

Relevant Coursework: Data Structures, Databases, Operating Systems, Computer Networks, Machine Learning, Human Computer Interaction, Mobile Application Development

CGPA: 3.49 / 4.0

INTERNSHIPS

MERN Stack Intern Oct 10, 2025 – Present
HH Tech Hub, Rawalpindi

- Collaborating with teams to develop LMS and ERP.
- Developing and maintaining full-stack modules.

Machine Learning Intern Aug 2025 – Sep 2025
Next Gen Learners, Islamabad

- Developed and optimized ML models for real-world datasets.
- Implemented NLP-based solutions for automation.

Python & JavaScript Intern Oct 2024 – Dec 2024
PHP Laravel Experts, Lahore

- Developed RESTful APIs using Flask.
- Improved code quality and reduced bugs through debugging.

PROJECTS

Learning Management System (LMS) Ongoing

- Developing a full-featured LMS with role-based access for admins, instructors, and students.
- Integrated backend APIs with a responsive Next.js frontend.

MuseTales – Artist Portfolio Website Oct 2025

- Built a responsive portfolio platform using React and Tailwind.
- Optimized page load performance and backend APIs.

SmartDoc Retriever Sep 2025

- Engineered a RAG-based document retrieval system using FAISS.
- Improved query relevance and response accuracy by 35%.

Career Guidance Chatbot Jul 2025

- Built an ML-powered chatbot to predict career paths with 85% accuracy.
- Designed an interactive Streamlit interface to enhance user engagement.

CONTACTS

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TECHNICAL SKILLS

- **Languages:** JavaScript, Python, C++, Java, HTML, CSS
- **Frameworks:** React, Next.js, Tailwind CSS, Node.js, Express.js, FastAPI, Flask, Streamlit
- **Tools:** Git, Docker, Postman, VS Code, PyCharm, Jira, Figma
- **Databases:** MongoDB, MySQL, SQLite, PostgreSQL
- **Technologies:** RESTful APIs, MERN Stack, Machine Learning, NLP, OAuth Authentication, Responsive Web Design, UI/UX Design

CERTIFICATIONS

- NextGenLearners (Machine Learning)
- Build with AI – Google Workshop
- DigiSkills (Freelancing)
- DEN (C++ Developer)
- HackerRank (Python)

HOBBIES

- Painting
- Calligraphy
- Arts & Crafts
- Novel Reading

LANGUAGES

- Urdu (Native)
- English (Advanced)