

ANUM KOUSAR

Software Engineer

SUMMARY

Software Engineering undergraduate skilled in Python, C++, Java, and full-stack web development with React and Tailwind. Experienced in building APIs and backend systems using FastAPI, deploying applications with Docker, and developing intelligent solutions with Machine Learning and NLP. Proficient with tools like Postman, VS Code, and PyCharm, and eager to apply technical expertise and problem-solving skills to create efficient, scalable, and impactful software solutions.

EDUCATION

Bachelors in Software Engineering 2022 - 2026 (Expected)

International Islamic University, Islamabad

Relevant Coursework: Data Structures, Database, Operating Systems, Computer Networks, Machine Learning

CGPA: 3.49/4.0

INTERNSHIPS

Machine Learning

Aug 2025 - Sep 2025

Next Gen Learners, Islamabad

- Developed and optimized Machine Learning models
- Implemented NLP solutions

Python & JavaScript

Oct 2024 - Dec 2024

PHP Laravel Experts, Lahore

- Developed REST APIs using Flask
- Reduced bugs through comprehensive unit testing

C++ Developer

Jun 2024 - Jul 2024

Digital Empowerment Network, Islamabad

- Optimized algorithms that reduced memory usage
- Applied debugging techniques to resolve errors

PROJECTS

Artist Website (React, Node.js, Tailwind)

Ongoing

- Developing dynamic frontend with React and Tailwind
- Ensuring responsive design and secure database connections

Career Guidance Chatbot (Python, ML/NLP)

Sep 2025

- Trained ML model to predict career roles from user queries
- Integrated chatbot with Streamlit for an interactive interface

Custom Terminal/Shell (Python)

Jun 2025

- Implemented shell supporting commands, piping, background jobs, file operations, system information retrieval, and process management

Job Portal System (Java)

Jan 2025

- Built terminal-based portal using Facade Pattern
- Implemented role-based access control

Library Management System (C++)

Nov 2023

- Designed a system to manage book and patron information
- Automated book tracking and late fee calculations

CONTACTS



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TECHNICAL SKILLS

- **Languages:** Python, C++, Java, JavaScript, HTML/CSS
- **Frameworks:** React, Tailwind, Flask, FastAPI, Express.js
- **Tools:** Git, Docker, Postman, VS Code, PyCharm, AWS EC2, Jira, WAMP
- **Databases:** MongoDB, MySQL, Oracle

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)