

NIKHIL KAUSHAL

LinkedIn: [LinkedInProfile](#)

GitHub: [GithubProfile](#)

Email: nikkaushal20@gmail.com

Mobile: +918894725284

SUMMARY

Detail-oriented Computer Science student with hands-on experience in DevOps, AI, and software testing. Skilled in CI/CD pipelines, test automation, and containerized deployments using Docker, Jenkins, AWS, and GitHub Actions. Built and deployed full-stack projects including a GenAI RAG Chatbot using FastAPI, Streamlit, OpenAI API, FAISS, and LangChain. Completed Deloitte's virtual internship, gaining exposure to IIoT data and enterprise tech systems.

SKILLS

- **Languages:** Python, C++, Java, JavaScript
- **Frameworks:** HTML and CSS
- **Tools/Platforms:** AWS, Selenium, Jenkins, Eclipse, Git, Katalon Studio, GitHub, Jira
- **Soft Skills:** Problem-Solving, Team work, Adaptability
- **Domain:** Software Testing and DevOps
- **Testing Methodologies:** Automation Testing, Unit Testing, Integration Testing, API Testing, Agile, Scrum, CI/CD

TRAINING

- **Deloitte Technology Consulting Virtual Internship (Project Based)** July 2025
Completed a real-world simulation involving **IIoT (Industrial Internet of Things) data transformation, real-time dashboard proposals, and scalable tech solution design**. Gained practical experience with Deloitte-style consulting challenges across industries. Built skills in **data engineering, solution architecture, and secure enterprise systems**.
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User Verification Code: JhcdCxFzgGGGMWbxX
- **DevOps Trainee (Project Based)** May 2025
Self-Directed Learning
Applied real-world **DevOps** practices by building and **configuring CI/CD pipelines using Jenkins, Docker, and GitHub**. Automated deployment workflows for web applications, **streamlined integration and delivery processes**, and collaborated on version control and automated testing to ensure efficient and reliable software delivery.
- **Cybersecurity – CipherSchools** July 2024
Completed hands-on **training in cybersecurity** with a focus on **network security, firewall implementation, and penetration testing**. Gained experience in conducting **vulnerability assessments, configuring secure networks, and developing a custom firewall** project aimed at enhancing network protection and mitigating cyber threats.

PROJECT

- **Full-Stack GenAI RAG Chatbot** July 2025
This project is a fully containerized, production-ready **AI-powered Retrieval-Augmented Generation (RAG)** chatbot built using **OpenAI GPT models**, designed to answer user questions based on the contents of uploaded PDF documents. It combines the power of **natural language understanding** with real-time document retrieval to offer intelligent Q&A functionality.
Tech Stack: Python, FastAPI, Streamlit, Docker, LangChain, OpenAI API, FAISS, PyMuPDF
GitHub: [Github Project](#)
- **HANDWRITTEN DIGIT RECOGNITION** May 2025
Created and tested a CNN-based Handwritten Digit Recognition system using **Python, TensorFlow, and OpenCV**, achieving 97%+ accuracy on MNIST.
Built and deployed a **CI/CD pipeline** using **Jenkins** and **Docker** for **automated testing, model training, and deployment workflows**.
GitHub: [Github Project](#)
- **BASIC FIREWALL IMPLEMENTATION PROJECT** July 2024
Developed an basic firewall in **Python (Flask)** with **authentication, rule-based filtering, and dynamic blacklist/whitelist control**.
Implemented **IP-based traffic filtering** and **packet validation** using scalable design patterns (Strategy, Factory, Singleton).
GitHub: [Github Project](#)

CERTIFICATES

• Deloitte Technology Consulting Virtual Internship	July 2025
• Web and Mobile Testing with Selenium	September 2024
• Cyber Security – Live	July 2024
• Generative AI with Large Language Models	February 2024
• Introduction to Software Engineering	February 2024
• Prompt Engineering for ChatGPT	January 2024

EXTRA-CURRICULAR ACTIVITIES

Environmental Training – Himachal Pradesh Forest Department	February 2024
• Learned about plantation processes, ecological zones, and environmental protection.	

EDUCATION

• Lovely Professional University <i>Bachelor of Technology - Computer Science and Engineering</i>	Phagwara, Punjab India <i>Since August 2022</i>
• Institute of Computer Tally Organisation <i>Diploma in Computer Application (Distance Education)</i>	Dhaliara, H.P. India <i>2022-2023</i>
• Government Senior Secondary School <i>Intermediate</i>	Badhal Thore, H.P. India <i>2021-2022</i>
• Saraswati Vidya Niketan High School <i>Matriculation</i>	Batwar, H.P. India <i>2019-2020</i>