

# ASHOK KUMAWAT

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## SKILLS

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- **Programming Languages:** C++, Java, Python, Golang
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Tools & Platforms:** Git, GCP, Windows, Linux, Canva, Docker, Postman, Kubernetes, Github Actions
- **Core Concepts:** DSA(Basics), Operating Systems, Computer Networks, CI/CD

## PROJECTS

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### Critique AI

AI-Powered Answer Evaluation System (Top 105 – GDG Solution Challenge 2025)

- Built an answer evaluation platform using Gemini API and Google Cloud Platform to generate automated scores and feedback.
- Implemented custom PDF parsing to extract text, images, and tables for accurate and context-aware grading.

### Linux From Scratch OS Build Automation

Shell Scripting–Based Operating Systems Project

- Automated the Linux From Scratch (LFS) build process using shell scripting by following the official LFS book, reducing manual intervention during system compilation.
- Developed scripts to configure, compile, and assemble a minimal Linux operating system, gaining hands-on experience with system bootstrapping, toolchains, and core OS components.

### CyberX – Web Input Attack Detection System

Multi-layered input validation and attack detection project

- Designed a hybrid detection architecture combining pattern matching, finite state machine (DFA/NFA)–based grammar validation, and data-driven input analysis.
- Trained a Python-based model on 3000+ attack payloads to improve malicious input detection accuracy.
- Built and integrated the system using Flask, enabling real-time web input validation.

## EDUCATION

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Graphic Era Hill University, Dehradun Campus, Uttarakhand, India 2023 - Present

B.Tech in Computer Science and Engineering With Specialization in Cyber Security | CGPA: 8.66

Jawahar Navodaya Vidyalaya, Nagaur, Rajasthan, India 2015 - 2022

CBSE Class - XII | Percentage: 92.4%

CBSE Class - X | Percentage: 75.6%

## CERTIFICATIONS

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- Introduction to TCP/IP – Yonsei University
- Google Arcade Program (2025) – Completed cloud skill-building challenges
- Git & GitHub – IBM
- Linux Shell Scripting – IBM
- Java Programming – Duke University

## ACHIEVEMENTS

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- Selected among the Top 105 projects in the GDG Solution Challenge 2025, organized by Google Developer Groups
- Represented Jawahar Navodaya Vidyalaya (JNV) at the 27th National Children's Science Congress (NCSC) held in Kerala (2019)