

Akshdeep Singh

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SUMMARY

Entry-level Cloud & DevOps engineer with a strong academic background and hands-on experience in building, deploying, and automating cloud-native applications. Proficient in Python, backend development, and DevOps fundamentals with practical exposure to AWS, Azure, Docker, and Kubernetes. Experienced in working on real-world projects involving cloud storage, automation, real-time systems, and container orchestration. Seeking a fresher role where I can apply my skills, grow under mentorship, and contribute to scalable and reliable systems.

EDUCATION

Master of Computer Applications - Cloud Computing & DevOps, Chandigarh University (GPA: 7.59)	Present
Bachelor of Computer Applications Govt. Degree College (GPA: 7.6)	Dharamsala, India
Intermediate (HPBOSE), RNT Public School (Percentage: 83%)	Jawalamukhi, India
Matriculation (HPBOSE), AVM High School, Khundian (Percentage: 81%)	Khundian, India

SKILLS

Programming: Python, C++
Cloud Platforms: AWS, Microsoft Azure
DevOps & Tools: Docker, Kubernetes, Git, GitHub, CI/CD Pipelines
Backend & Databases: Flask, Node.js, MySQL, SQL Server
Core CS: Data Structures & Algorithms, OOPs, Basic Networking, Linux Fundamentals

PROJECTS

Cloud-Based Automated Backup System	Oct 2024 – Dec 2024
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- Tech Stack: Python | Azure Blob Storage | Azure Logic Apps
- Designed and implemented an automated backup solution using Python and Azure Blob Storage.
- Scheduled and managed backup workflows using Azure Logic Apps.
- Ensured data reliability, fault tolerance, and secure cloud storage practices.

E-Learning Platform	Nov 2024 – Feb 2025
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- Tech Stack: MERN Stack | JWT Authentication
- Built a secure and scalable e-learning platform with user authentication and authorization.
- Developed RESTful APIs and managed backend services for course and user management.
- Applied modular design principles to support future scalability.

Real-Time Collaborative Code Editor	Apr 2025 – Sep 2025
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- Tech Stack: Node.js | Socket.IO | JavaScript
- Developed a web-based real-time code editor supporting multiple concurrent users.
- Implemented WebSocket-based communication using Socket.IO for low-latency updates.
- Addressed synchronization and conflict-handling challenges in collaborative editing.

Real-time-Translator	Nov 2025 – Dec 2025
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- Tech Stack: Python | Streamlit | Docker | Kubernetes | Azure
- Developed a multilingual translation system supporting text, voice, and image inputs.
- Containerized the application using Docker for consistent deployments.
- Deployed and managed the application on Azure Kubernetes Service (AKS) for scalability.

ACHIEVEMENT

SAP Hackathon
Recognized as a University-level Finalist for developing a prototype solution under tight deadlines.

CERTIFICATIONS

AWS Certified Cloud Practitioner	AWS Skill Builder
Cloud Computing Foundations	Coursera
Cloud Virtualization, Containers and APIs	Coursera
Languages English, Hindi	