

DHRUV CHOPRA

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EDUCATION

Pranveer Singh Institute of Technology - Kanpur

Bachelor of Technology | Computer Science & Engineering | 2025

Cumulative GPA: 7.1/10

Sheiling House School - Kanpur

ISC – 92% | 2021; ICSE – 92% | 2019

CERTIFICATIONS

- Post Graduate Certification in Cloud Computing and DevOps | iHUB DivyaSampark @ IIT Roorkee.
- Microsoft Azure Administrator.
- Microsoft Cybersecurity Architect.

WORK EXPERIENCE

C3i | IIT- Kanpur (A Cybersecurity Technology Innovation Hub at IIT Kanpur)

DevOps Intern | Feb 2024 – Jun 2024

- Deployed containerized applications using **Docker & K8S** with **99.8% uptime** in a scalable microservices environment.
- Automated cloud infrastructure using **Terraform** and **Jenkins**, reducing deployment time by **40%**.
- Monitored and troubleshoot **Kubernetes clusters**, improving system performance by **15%**.

PROJECTS

Cloud-based DevOps Automated Deployment for Scalable Applications | Jul 2024

- Built **5+ end-to-end pipelines** for data processing and automation, reducing manual tasks by **40%**.
- Optimized **cloud infrastructure** on Azure, resulting in **20% cost savings** and improving scalability by **50%**.
- Provisioned **CI/CD pipelines** using Docker, and Kubernetes.
- Integrated **Azure App services** (VMs, Blob Storage) achieving **99.9% uptime** and seamless cloud operations.

Java-CLI Based Tic-Tac-Toe | Jul 2021

- Developed **console-based Tic-Tac-Toe game** supporting 2-player & player vs computer mode with **100% completion rate**.
- Built an interactive input, turn management, and a win-check algorithm, for smooth UX through animations & transitions.
- Enhanced computer gameplay with **probabilistic move-selection**, reducing player wins by **30%** through strategic moves.
- Achieved **95% efficiency** in input handling and turn management by optimizing the game loop for minimal lag.

SKILLS

OOPs - JAVA | Writing code in JAVA since 2016.

Languages - Python, YAML.

Cloud - Azure App Services, Elastic Compute, Lambda, VPC, Subnetting, Load Balancing, Autoscaling and DNS.

DevSecOps - Continuous Integration & Deployment, Docker, Kubernetes, Azure Pipeline, Multistage Pipelines, Service Connection, Agent Pool, Horizontal Pod Autoscaler, Ingress, Continuous Monitoring & Alerting - ELK, Git.

ACTIVITIES & ACHIEVEMENTS

TCS Code Vita Season 11 (2023) - Ranked 1788 in Round 2 Globally.

Leetcode - Solved over 670+ problems to develop problem-solving skills. | Handle: [thisisdhruvchopra](#)

HackerRank - 4* Java | 5* Problem Solving | Handle: [dchopra92](#).

Open-Source Contribution - GitHub: [thisisdhruvchopra](#).

Debating - As a national-level debater, actively participated in 10+ Model United Nations events and won a few.

Leadership, Team Building and Management - As School Captain and President of the Computer Club, organized a state-wide techno-cultural event with 300+ participants from 15+ schools.

SUBJECTS OF INTEREST

Design & Analysis of Algorithms, Data Structures, Theory of Automata & Formal Languages, Computer Networking.