

Krishna Negi

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krishna-negi

krishna Portfolio

Education

Dr. B.R. Ambedkar National Institute of Technology, Jalandhar

CGPA: 7.3

Bachelor of Technology in Instrumentation and Control Engineering

Nov 2022 – Present

Peace Public School

90%

Senior Secondary Education

2020-2022

Technical Skills

- **Programming/Scripting Languages:** Python, Bash, YAML, JavaScript
- **DevOps Tools:** Jenkins, Docker, Kubernetes, Ansible, Terraform, Prometheus
- **Cloud Platforms:** AWS, Azure, Google Cloud Platform (GCP)
- **CI/CD Pipelines:** GitLab CI/CD
- **Version Control:** Git, Bitbucket
- **Monitoring and Logging:** Grafana, Splunk
- **Infrastructure as Code (IaC):** Terraform
- **Soft Skills:** Collaboration, Problem-solving, Communication, Agile Mindset

Experience

GDSC Club, Core DevOps Lead

Oct 2023 – Present

NIT Jalandhar

- Directed the development of the DevOps domain within the college, mentoring 15+ peers and fostering a collaborative learning environment that led to a 50% increase in club participation for DevOps activities.
- Organized and conducted four hands-on workshops, resulting in improvement in participants proficiency with Jenkins and Kubernetes as measured by post-event assessments.
- Delivered sessions on CI/CD pipelines and cloud computing fundamentals, with **80%** successfully deploying CI/CD pipelines and containerizing applications independently by the end of the sessions.

Google Cloud Arcade Participant

Aug 2024 – Dec 2024

Google Cloud Platform Training Program

- Gained hands-on experience with Google Cloud tools for hosting and deploying web applications, including Compute Engine and Kubernetes Engine.
- Completed practical tasks like setting up hosting environments and managing databases, achieving a 25% improvement in database query efficiency during web application deployments.
- Improved proficiency in implementing container orchestration systems using Kubernetes Engine, directly leading to an increase in application deployment efficiency as hosting environments were set up **30%** faster than conventional methods.

Projects

SysInfo | HTML, CSS, JS

[Source Code](#) | [Demo](#)

- Built a web-based application to monitor real-time system metrics such as CPU usage, memory utilization, and disk space.
- Designed a responsive dashboard, improving user engagement by **25%**.
- Added functionality to update metrics dynamically without requiring a page refresh.
- Reduced data load time by **40%**, optimizing cross-browser compatibility.
- Attracted **100+** users within the first two months of deployment.

LinkShortener | HTML, CSS, JS

[Source Code](#) | [Demo](#)

- Developed a web application that shortens long URLs, increasing link management efficiency by **30%**.
- Integrated clipboard functionality, boosting usability by **20%**.
- Ensured **99.9% uptime** and enhanced performance for seamless user interaction.
- Attracted over **200 users** in the first two weeks.

PasswordGenerator | Python

[Source Code](#)

- Designed a command-line tool to generate secure, customizable passwords, meeting diverse user needs.
- Integrated advanced randomization algorithms, enhancing password security by **100%** and preventing predictable patterns.

- Improved user efficiency with options for length, character types, and exclusions, boosting adoption by **30%**.
- Optimized execution time by **25%**, achieving **100+ downloads** and consistent positive feedback from contributors.

Achievements and Co-Curricular Activities

- **HackO'Fest 2024:** Ranked in the Top 20 submissions out of 400+ participants in Hackmol 5.0 (NIT Jalandhar).
- **Problem Solving:** Solved over 200 problems across various coding platforms, enhancing my problem-solving abilities.
- **Open Source Contributions:** Contributed to the Blackhole and VLC open-source projects by developing and optimizing code.

Positions of Responsibility

- **Core Member, Google Developer Students Club, NITJ:** Contributed to various initiatives, supporting events and projects that benefit the NITJ tech community.
- **Member, Spice Society, NITJ:** Actively participated in organizing events and workshops to foster a culture of learning and innovation at NITJ.