

Krishna Negi

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Portfolio

Education

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

Bachelor of Technology in Instrumentation and Control Engineering

CGPA: 7.3

Nov 2022 – Present

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

- Spearheaded the development of the DevOps domain within the college, mentoring peers and fostering a collaborative learning environment.
- Organized hands-on hackathons and workshops to introduce students to the DevOps lifecycle and tools like Docker, Kubernetes, and Jenkins.
- Delivered sessions on CI/CD pipelines and cloud computing fundamentals, enhancing technical proficiency among participants.

Google Cloud Arcade Participant

Aug 2024 – Sep 2024

Google Cloud Platform Training Program

- Gained hands-on experience with Google Cloud tools such as Compute Engine, Cloud Storage, and Kubernetes Engine.
- Completed practical tasks, including deploying applications, setting up cloud environments, and monitoring resources.
- Enhanced understanding of cloud-native architectures and their implementation in real-world scenarios.

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 an intuitive and responsive dashboard to display system information clearly and efficiently.
- Added functionality to update metrics dynamically without requiring a page refresh.
- Ensured cross-browser compatibility and optimized performance for smooth user experience.

LinkShortner | *HTML, CSS, JS*

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

- Developed a web application that shortens long URLs and tracks usage analytics.
- Implemented a clipboard feature to allow users to copy shortened links easily with a single click.
- Enhanced usability by incorporating real-time validation for URLs to prevent errors.
- Focused on a minimalist design for improved accessibility and user interaction.

PasswordGenerator | *Python*

[Source Code](#)

- Created a command-line tool for generating secure and random passwords with customizable parameters.
- Provided options for selecting password length, character types (uppercase, lowercase, numbers, special characters), and exclusions.
- Ensured high security by implementing a robust randomization algorithm to prevent predictable patterns.
- Optimized the codebase for efficient execution and ease of understanding for 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.