

Kamal Koranga

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EDUCATION

Graphic Era Hill University

Bachelor of Technology in Computer Science and Engineering

Haldwani, Uttarakhand, India

Aug. 2023 – Present

EXPERIENCE

App Developer [Android]

Software Development Cell (SDC), GEHU

Sep. 2023 – Jan. 2024

Haldwani, India

- Built full-stack Android applications using Flutter, focusing on scalable and user-friendly design.
- Collaborated with a team of developers to deliver features for academic and student-focused projects.
- Developed a cross-platform *Attendance App* that marks attendance via Bluetooth, enabling offline usage without internet.

Volunteer

Google Developer Student Club (GDSC), GEU

Feb. 2023 – Oct. 2024

Dehradun, India

- Volunteered in organizing and supporting technical events such as Hacktoberfest, coding competitions, and workshops.
- Contributed to the GitHub organization of GDSC by assisting in managing repositories and guiding new contributors.
- Collaborated with student developers to foster an active open-source and tech-focused community.

Contributor & Maintainer

OpenCodeEra (GDSC GEU GitHub Repository)

Oct. 2023 – Jun. 2024

Remote

- Initially contributed to the frontend of the repository using HTML, CSS, JavaScript, and Bootstrap.
- Reviewed and merged pull requests, managed issues, and ensured code quality across contributions.
- Promoted to **maintainer**, taking ownership of project direction, collaboration, and repository health.

PROJECTS

DocHost | *Python, Flask, Virtualization, Cloud Computing, CI/CD*

April 2025 – June 2025

- Built a cloud storage web app similar to Google Drive that supports both self-hosting (set up on a user's own system) and hosted deployment (traditional storage service).
- Enabled users to choose between complete local data control or a managed, cloud-like hosting option.
- Provided a familiar, intuitive interface while leveraging virtualization principles as part of a Project-Based Learning (PBL) module on Cloud Computing.

KaalPass | *Python, Linux, TOTP, Android*

May 2025 – June 2025

- Developed a secure, time-based solution that automatically changes Linux system passwords daily.
- Integrated with a companion Android app to securely sync and provide convenient password access.
- Focused on enhancing system security while balancing usability through automation.

CTrack | *Python, Flask, PostgreSQL, JavaScript, HTML, CSS*

Dec 2023 – Mar 2024

- Built a LinkedIn-style platform designed specifically for students and programmers to showcase and track their learning journeys.
- Implemented profile creation, project showcases, and progress tracking to foster a collaborative academic and developer community.
- Designed a clean, intuitive UI inspired by LinkedIn, optimized for engagement and ease of use.

TECHNICAL SKILLS

Languages: Python, C, SQL (MySQL, PostgreSQL), JavaScript, HTML, CSS, Dart

Frameworks: Flask, FastAPI, React, Bootstrap, Tailwind, Flutter

Developer Tools: Git, GitHub, Docker, GitHub Actions, CI/CD, Linux, VS Code

Cloud Platforms: Google Cloud Platform (GCP)