

Kanishka Kalra

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<https://kanishkakalra.github.io/kanishka-portfolio>

Proactive and results-driven Computer Science graduate with strong frontend development expertise and hands-on experience in DevOps tools and workflows. Skilled in building responsive user interfaces, automating deployment pipelines, and solving real-world problems through clean code and collaborative teamwork. Passionate about continuous learning and contributing to innovative, fast-paced tech environments.

EDUCATION

Maharishi Markandeshwar University | **Bachelor of Technology in Computer Science** 2020-2024

- Cumulative GPA: 8.89
- Head of Students Cultural Society

EXPERIENCE

Frontend Developer Intern – Convivity Technology

Sept 16, 2024 – April 17, 2025

UI Component Development

- **Built modular and reusable UI components** using **React.js, HTML5, CSS3, and JavaScript**, adhering to scalable and maintainable coding practices.
- Implemented **mobile-first responsive design** and ensured **cross-browser compatibility**, delivering consistent user experiences across devices.

Web Performance Optimization

- **Optimized application performance** through **lazy loading, code splitting, and image compression** techniques.
- Reduced initial **page load time by 30%** and improved **Lighthouse performance score** from 65 to 90+, significantly enhancing speed and user engagement.

Agile Collaboration & Version Control

- Worked within an **Agile development team**, participating in daily stand-ups, sprint planning, and retrospectives.
- Collaborated with designers, backend developers, and QA to deliver features bi-weekly.
- Used **Git and GitHub** for version control and actively contributed to **code reviews**, ensuring high-quality releases.

Intern – Philips

July 11, 2023 - Dec 12, 2023

- **Monitored GitHub Runner Status** by automating checks on self-hosted runners and workflows. Built realtime dashboards to visualize runner health, job completion status, and potential failures using **Grafana** and **Prometheus**.

- **Developed a GitHub License & Usage Dashboard** to track open-source license types, repository usage metrics, and GitHub Actions consumption. Enabled visibility and control over repository governance and runner usage.
- **Monitored Virtual Machine Performance** using **Prometheus exporters** to collect CPU, memory, and disk usage metrics. Visualized the data in Grafana dashboards for operational monitoring and proactive incident handling.
- **Designed and implemented end-to-end CI/CD pipelines** using **GitHub Actions**, integrating with custom shell scripts for build, test, and deployment automation. Ensured zero manual intervention deployment for selected internal tools.
- **Created an automated alert system** that sends **email notifications** when GitHub runners are nearing idle timeout or termination. Used shell scripting and cron jobs to continuously monitor runner status and notify stakeholders in real-time.
- Used **Linux**, **Bash scripting**, and **cron jobs** to automate routine maintenance tasks, cleanup jobs, and runner health checks — reducing manual monitoring effort by 60%.

Technical Skills

Frontend: HTML, CSS, JavaScript, React, Tailwind

Backend: Node.js, Express, MongoDB, REST APIs

DevOps: Git, GitHub, CI/CD (GitHub Actions, Jenkins), Docker, Linux, Grafana, Prometheus

Tools: Stripe, Firebase, Gemini API, Google Maps API

Projects

AI Trip Planner

- **Tech Stack:** React.js, Tailwind CSS, Firebase, Gemini API, Google Maps API
Developed a smart travel planning web app that generates **personalized trip itineraries** based on the user's **location, travel duration, and budget**.
- Integrated **Gemini API** to generate day-wise plans and suggestions, used **Firebase** for user authentication and storing itinerary data, and embedded **Google Maps API** for interactive location and route display.
Designed a **responsive, modern UI** using **Tailwind CSS**, delivering a seamless user experience across devices.

AI Image Generator SaaS App

- **Tech Stack:** MongoDB, Express.js, React.js, Node.js, ClipDrop API, Stripe
 - Built a full-stack AI-powered SaaS application that allows users to generate images from text using the ClipDrop API. Implemented secure user authentication and account management using the MERN stack, with user data and image generation history stored in MongoDB.
 - Developed a credit-based usage system, allowing users to generate images only when credits are available. Integrated Stripe payment gateway to let users securely purchase additional credits. Designed a responsive and user-friendly UI in React.js, delivering a smooth and intuitive user experience.
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