

# V KARAN ADAM

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## EDUCATION

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**MVJ College Of Engineering**, Bengaluru, Karnataka  
B.E., Computer Science and Engineering

Enrolled: December 2021 — Expected: December 2025  
Overall GPA: 8.2

## EXPERIENCE

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### Google Developer Students Club MVJCE

*Tech Team Member*

January 2023 – Ongoing

- Contributed to the development and delivery of 5 successful workshops: Android Worksoop, ML Workshop, Front-End Web Development Workshop, Back-End Web Development Workshop, and UI—UX Design Workshop educating 500+ students.
- Developed and implemented curricula for both workshops, ensuring clear and engaging learning experiences.
- Utilized HTML, CSS, Figma, and other technologies to demonstrate concepts during workshops, fostering student understanding.
- Enhanced interpersonal and communication skills through effective workshop delivery and student interaction.

### TEDxMVJCE

*Graphic Design Team Head and Photography Team Head*

January 2022 – Ongoing

- Led and managed two teams of creative professionals as Graphic Design Team Head and Photography Team Head for TEDxMVJCE.
- Successfully oversaw the conceptualization, creation, and execution of high-quality visual assets (graphic design, photography) that ensured brand consistency and effectively captured the event's essence.
- Contributed to the organization of 2 successful TEDx events, featuring 13 distinguished speakers and attracting an audience of 200+ attendees.

## PROJECTS

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### ML Assisted Web Load Balancer

*Project Link:* <https://github.com/karanadam/ml-assisted-load-balancer/>

July 2024 - Completed

- Addressed the challenge of handling fluctuating web traffic by using machine learning to predict demand and scale resources accordingly, ensuring efficient load balancing.
- Developed the frontend interface, enabling the user to send requests and observe replica counts, improving user experience and system performance.
- Implemented Kubernetes Event-Driven Autoscaling (KEDA) to dynamically manage workloads, optimizing resource allocation based on real-time traffic metrics.
- Gained hands-on experience with Kubernetes, and Docker, enhancing skills in container orchestration and autoscaling strategies.

### NASA APOD

*Project Link:* <https://nasa-apod-react.vercel.app/>

August 2024 - Completed

- Developed a React-based web application that integrates with NASA's Astronomy Picture of the Day (APOD) API to fetch and display daily space imagery and information.
- Implemented API response caching to optimize performance and minimize the number of API requests, improving the user experience and reducing server load.
- Utilized React Hooks (e.g., `useState`, `useEffect`) to manage state and side effects, ensuring efficient data fetching and rendering.
- Designed a responsive UI with conditional rendering and data validation to manage various states (loading, success, error), ensuring smooth functionality and enhanced user experience across different device sizes.

## CERTIFICATIONS

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- **UI/UX Technologies, Build Responsive Real World Websites with HTML, The Complete JavaScript Course**

## SKILLS

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- **Technical:** Python, SQL, Javascript, ReactJs, C, HTML5, CSS, Tailwind CSS, Bootstrap 5, Styled Components, Git, GitHub.
- **Software:** Figma, Adobe Photoshop, Adobe Premiere Pro.
- **Communication:** Verbal Communication, Public Speaking, Leadership Skills, Teamwork and Collaborative Skills, Presentation Abilities, Interpersonal Communication.