

# Akash Singh

Portfolio

Github: [Akash-Singh04](#)

Email: [akashsingh2210670@gmail.com](mailto:akashsingh2210670@gmail.com)

Mobile: +91-938-259-8086

## EDUCATION

- **Dayananda Sagar College Of Engineering** Bengaluru, India  
*Bachelor of Engineering-Computer Science And Engineering;* 2022 - 2026
- **Delhi Public School** Siliguri, India  
*12th Standard; CGPA: 9.6* 2020-2022

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, Golang

**Frameworks And Libraries:** NodeJS, ExpressJS, React, Redux, NextJs, TailWind

**Databases And Tools:** MongoDB, PostgreSQL, SQLite, Git, Github, CI/CD, Firebase

## OPEN SOURCE CONTRIBUTION

- **Keptio** Contributions  
*Open Source Contributor: Go, Bash, Github Actions, Tests, Mocks*
  - Enhanced [Keptio CLI](#) via implementing **CLI Commands** with **Cobra** including **Update**, **Normalise** commands alongside adding **CLI Flags** such as **-version** flag, and **-enableANSIColor**.
  - Enhanced **Github Actions Workflow** for [TestGPT](#) alongside various **Bug Fixes** And **Documentation** updates to improve user experience,.

## EXPERIENCE

- **Intern @Bolesale** December 2023 - February 2024  
*Full Stack Developer : React, Firebase, Redux, Zustand*
  - Built robust applications using *React, Firebase* emphasizing **RESTful** architecture, **Advanced State Management** using *Redux* and *Zustand* and efficient **CRUD** operations .
  - Collaborated within a multidisciplinary team to ensure adherence to **ACID** principles, ensuring data integrity and scalability while implementing **Version Control** with *Git* for effective collaboration.
- **Intern @CodingZen** December 2023 - February 2024  
*Online Teaching (Full Stack)*
  - **Spearheaded** comprehensive virtual instruction in Full Stack Development at CodingZen, providing insightful guidance on **front-end** and **back-end** technologies to a diverse cohort of students.
  - Developed and delivered a *dynamic curriculum*, integrating real-world projects and interactive sessions to facilitate *hands-on learning experiences*, enabling students to grasp complex concepts effectively.

## PROJECTS

- **Quiz Quest|NextJs,Typescript,Firebase | [GitHub](#) | [Deployment](#) :**
  - The project facilitates administrators in *attempting quizzes* and *managing quiz data*, including *scores*, *completion times*, and *specific quiz details* along with allowing users to create quizzes from **Excel Sheets**.
  - Developed with *Next.js* and *TypeScript*, the project incorporates server-side rendering, seamless routing, strong typing, and improved code maintainability for an enhanced user experience and deployed on *Vercel*.
  - Integrated *Firebase* for **real-time database management** and **user authentication**, leveraging *Firestore* for data storage, *Firebase Authentication* for secure access,and implementing **Admin Dashboard**.
- **EduSync|NextJs,Typescript,Firebase, EdgeStore ,Flask | [GitHub](#) | [Deployment](#) :**
  - Orchestrated the fusion of *Next.js*, *Firebase*, and *TypeScript* to develop an innovative tutoring platform. Delivered a dynamic user experience while ensuring code integrity and scalability and deployed on *Vercel*.
  - Engineered a robust backend utilizing *Flask*, *EdgeStore*, and *Firebase*. Orchestrated **RESTful APIs**, proficient **CRUD operations**, and optimized data storage with **User Authentication** And **User Roles**.
- **Motion Amplification Video (MAV) |MERN,Tailwind,AWS | [GitHub](#) | [Demo Video](#) :**
  - Developed a pioneering **cloud-based solution** for revolutionizing **vibration analysis** via processing, extracting, amplifying and replaying motion features frame by frame, unveiling micro-scale defects.
  - Implemented a **cloud-based dashboard** using *React*, *AWS S3 Bucket* and *AWS Cloudfront* for users to upload video clips and view processed results, enhancing accessibility from any location.

## ACHIEVEMENTS

- Placed [1st Place](#) Among 35 other teams in Hack-o-Rama 2024 Hackathon - January 2024
- Placed [2nd Place](#) Among 83 other teams in Engigma 2023 Hackathon - December 2023
- Placed [Top 10](#) Among 48 other teams in Hackmanv6 Hackathon - July 2023