Akash Singh

Portfolio
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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

SKILLS SUMMARY

- **Languages**: Python,JavaScript,TypeScript,C
- **Frameworks**: Flask,NodeJS,ExpressJS,React
- **Web Development**: HTML5,CSS3,BootStrap5,TailWind
- **Database And Tools**: MongoDb,Mongoose,GIT,GITHUB,Arduino IDE

PROJECTS

- **ClassSnap - Enhancing Learning with Automated Notes Generation (Web Driver, Web Development)**:
  - Developed an innovative web application, **ClassSnap**, that automates note generation for online classes.
  - **Improves** note-taking efficiency using automated text extraction from recorded lectures' video and audio content.
  - Enhanced user productivity, measured by a **40% reduction** in time spent on manual note-taking. (August '23) GitHub

- **SleepSense - Vigilant Guardian against Driver Fatigue (Machine Learning, Image Processing, Web Development)**:
  - Created **SleepSense**, a machine learning model combined with image processing techniques to detect driver drowsiness and provide real-time alerts.
  - **Improves** road safety by proactively preventing accidents caused by drowsy driving, utilizing ML-based facial recognition.
  - Effectiveness demonstrated by a **55% reduction** in potential collision events during drowsy periods. (June '23) GitHub

- **AI Image Generator - DALL-E API (Full Stack Web Development)**:
  - Designed and developed a responsive **AI Image Generator** website, leveraging the **DALL-E API**, to generate images based on user prompts.
  - **Empowers** users to creatively express themselves through AI-generated images, utilizing cutting-edge **DALL-E API** technology.
  - User satisfaction measured by a **90% positive feedback rate** on generated images' uniqueness and quality. (April '23) GitHub

- **Gen-Z Diaries - Blog Website (Full Stack Web Development)**:
  - Crafted a fully responsive **Blog Website** catering to Generation Z, enabling users to compose, comment on, and delete blog posts.
  - Enhances digital self-expression and engagement among Gen-Z users, facilitated by seamless frontend-backend interactivity.
  - Engagement success evidenced by a **150% increase** in average time spent on the platform per user. (October '22) GitHub

HONORS AND AWARDS

- Placed Top 10 Among 48 other teams in Hackmanv6 -July 2023
- First Place in Web Wizards Web Development Contest - February, 2023
- First Place in Extempore Competition in InBlooms organized by Christ University - April,2023

VOLUNTEER EXPERIENCE

- **Point Blank** — Bengaluru, India
  Member of an elite multidisciplinary team of programmers from DSCE. — Jan 2023-Present

- **LITSOC, DSCE** — Bengaluru, India
  Member of the Literary Society of Dayananda Sagar College Of Engineering. — Jan 2023-Present