KAAVYA SIDHER

Email kaavya4860@gmail.com| +91-8847082881 | github.com/kaavya7705

Education

Punjab Engineering College, Chandigarh, India   **2023 - Present**
- B. Tech in Computer Science & Engineering | CGPA: **9.52**

GMSSS, Manimajara, Chandigarh, India   **2022 - 2023**
- CBSE (Class XII), Aggregate: 95.2%

Bhavan Vidyalaya, Panchkula, India   **2020 - 2021**
- CBSE (Class X), Aggregate: 98.4%

Skills

C++ | Python | JavaScript | NodeJS | ReactJS | MongoDB | NextJS | TypeScript | TailwindCSS | Git | Groq | AWS | Google

Cloud | FastAPI | Langchain |

Work Experience

Gadget Repair Experts | Web Development Team   **Jan'25 – April'25**
- Developed an eCommerce website using Next.js and MongoDB, focusing on 100% secure and efficient database management.
- Created 2+ key pages like Home and About Us to enhance user experience and navigation.
- Designed a scalable backend to improve reliability and performance for bookings.
- Collaborated with a team of 6 to develop this ensuring seamless execution.

Projects

Mini-Read (Tech Stack: React.js, Flask, MongoDB, Hugging face)   **May'25**
Your Personal Booklist & Recommendation Hub
- Designed an interactive UI that allows users to create personalized book collections, view detailed book insights, and maintain a reading history.
- Implemented a faceted search feature, allowing users to refine book searches by genre, author, and title, and decreased average search time.
- Engineered genre-based and collection-based recommendation systems, enhancing user engagement through tailored book suggestions.

Drona (Tech Stack: Next.js, FastAPI, LangChain, ChromaDB, Groq)   **March'25**
Achieve Your Target in One Shot
- Established an intuitive platform for users to upload PDFs, YouTube URLs, and website links to generate structured cheat sheets with markdown-based formatting.
- Integrated **a** responsive UI with light/dark modes, seamless navigation, and embedded YouTube resources for interactive, topic-wise study guides.
- Enabled users to download study guides and cheat sheets for 100% offline access and made a user-friendly dashboard for tracking study hours, quiz performance, and progress.
- Implemented a markdown-based interface to display RAG-based chatbot responses, structured study materials, LaTeX-rendered formulas, and auto-generated quizzes in a clean, organized format.

Twacha-AI (Tech Stack: NextJs, Computer Vision, Flask, Git, TailwindCss)   **Feb'25**
Where Tech Meets Skincare & Beauty Meets Intelligence.
- Developed an AI-powered skincare platform detecting 13 skin conditions with high accuracy using YOLO.
- Optimized Llama 3.3 70B, cutting response time for personalized skincare advice.
- Engineered a real-time AI pipeline for personalized recommendations based on age and gender, delivering tailored recommendations for users.
- Curated 2K+ dermatology images to train the model .

Academic and Extracurricular Achievements

- Runner's Up, Night Sprint Hackathon by IEEE PEC
- Special Mention, Ideathon by ACM PEC
- Qualified National Physics Olympiad
- College Finalist, Smart India Hackathon