VISHAWJEET SIDHU

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SUMMARY

Software Developer specialising **in React Native** and **Full-Stack Development**, with a strong track record of delivering scalable, user-focused applications. Built **PrepWai**, an AI-powered mock interview platform, and currently leading **Educlinic**, a college-funded portal set to launch with 1,000+ users and companies like Infosys Solitaire, IIT-Ropar AWADH, and more.

EDUCATION

B.Tech CSE
Baba Farid College of Engineering and Technology • Bathinda, Punjab, India • 08/2022 - 06/2026

PROJECTS

prepWai
prepwai.com
- **Tech Stack:** Next.js, Auth.js, Express.js, Pinecone, WebSockets, MongoDB, PostgreSQL, Prisma, Shadcn, Tailwind CSS, Razorpay, Gemini SDK
- Built prepWai, an AI-powered interview platform that delivers real-time technical mock interviews using dynamic, context-aware agentic workflows powered by the Gemini SDK.
- Integrated a token-based credit system (10 tokens/interview) with **Razorpay** for seamless and secure payments.
- Enabled live interview sessions via **WebSockets** and enforced secure access control using **Auth.js**.
- Utilised **Pinecone** as a vector database to store and retrieve past interview summaries for enhancing future sessions with Retrieval-Augmented Generation (**RAG).**
- Implemented a hybrid database architecture using **PostgreSQL** and **MongoDB**.

Educlinic
educlinic.org
- **Tech Stack:** Next.js, MongoDB, Pusher, Zustand, Auth.js, Cloudinary, Vercel, Shadcn, tailwind CSS
- Leading the development of EduClinic, a college-funded platform connecting Industries, Institutions, students and alumni for jobs, internships, mentorship, career guidance, and collaboration.
- Built role-based dashboard for students, alumni and industries featuring job boards, event management, courses, and engagement tracking.
- Developed a powerful admin panel for colleges to manage user approvals.
- Integrated real-time community discussions using **Pusher** and enabled rich user profiles with skills, qualifications, and projects.
- Implemented secure access control via **Auth.js**, state management with **Zustand**, and media storage using **Cloudinary**.
- Preparing for a large-scale launch with **1,000+ anticipated users** and industries like **Infosys solitaire**, **IIT-Ropar-AWADH.**

TECHNICAL SKILLS

Frontend: Javascript, Typescript, React.js, Next.js, React Native, Zustand, Redux, Tailwind css

Backend: Node.js, Express, MongoDB, PostgreSQL, Prisma, REST APIs, WebSockets, VectorDB

Tools: Git, Docker, AWS, Vercel, Langchain

ACHIEVEMENTS / EXPERIENCE

President
Baba Farid College Of Engineering And Technology Web Development Club • January 2024 - April 2025
- Lead a team of budding developers, mentoring 50+ students in modern web technologies and project development best practices.
- Conducted regular hands-on sessions and workshops on frontend, backend, and full-stack development.
- Spearheaded the development of multiple **college-level projects**, guiding teams from planning to deployment.
- Organized technical events, and coding competitions, fostering a collaborative and innovative tech culture on campus.

BFCET Hackathon
2nd place BFCET HACK • 2025 • react native, express.js, gemini sdk, agentic workflows
- Secured 2nd place in a **36-hour national-level hackathon** with **50+ teams from across India**. Led the team to build an innovative tech solution under pressure during the college's flagship event. *Read more:* vsidhu.com/blogs/bfcet-hack-2025

Anchor
Youth Fest, VIBGYOR and other major events.
- Hosted major college events including **VIBGYOR**, **Youth Fest**, and various other cultural and technical programs.
- Recognized for engaging stage presence, fluent communication, and the ability to energize large audiences.
- Collaborated closely with event coordinators and technical teams to ensure smooth execution of live programs.
- Frequently chosen as the lead anchor for flagship college events due to confident delivery and crowd connection.