VISHAWJEET SIDHU

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SUMMARY

Innovative Full Stack Developer with 2+ years of experience in building and optimizing scalable web and mobile applications. Proficient in the **MERN stack**, **Next.js**, **Flutter** and **performance optimization**, with a foundational knowledge of **AI/ML workflows**.

TECHNICAL SKILLS

- **Frontend:** JavaScript, TypeScript, React.js, Next.js, React Native, Flutter, Zustand, Redux, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs, WebSockets
- **Databases:** MongoDB, PostgreSQL, Prisma, Pinecone (Vector DB)
- **Tools & Cloud:** Git, Docker, AWS, LangChain, Vercel

PROFESSIONAL EXPERIENCE

Full Stack Intern | INSTEP TECHNOLOGIES | *05/2025 - Present*

- Developed **international** project modules with Flutter, Next.js, and Express.js, delivering reliable integration between the frontend and backend.
- Implemented caching strategies that improved **API response time** by ~**40%** and enhanced overall app performance.
- Optimized application workflows, reducing **app loading** time by **~50%** and improving user experience.
- **Designed and managed a cloud-native notification architecture** using **AWS Lambda**, **EventBridge**, **EC2**, **SQS**, and **Firebase**, enabling reliable real-time alerts and automation across user-facing modules.
- Applied **agentic AI workflows** to design and **automate module development**, cutting manual effort by **25%**.

PROJECTS

prepWai | *AI-Powered Mock Interview Platform* | prepwai.com

- **Tech Stack:** Next.js, Auth.js, Express.js, Pinecone, WebSockets, MongoDB, PostgreSQL, Prisma, Shadcn, Tailwind CSS, Razorpay, Gemini SDK
- Engineered an AI-powered platform delivering real-time technical mock interviews using dynamic, context-aware agentic workflows.
- Integrated a token-based credit system with **Razorpay** for seamless payments and enabled live, secure interview sessions via WebSockets.
- Utilized **Pinecone** vector DB with a **RAG pipeline** to store and retrieve past interview summaries for enhancing future sessions.

Educlinic | *College-Funded Professional Networking Platform* | educlinic.org

- **Tech Stack:** Next.js, MongoDB, Pusher, Zustand, Auth.js, Cloudinary, Vercel, Shadcn, Tailwind CSS
- Led the end-to-end development of a platform connecting **students**, **alumni**, and **industries** for jobs, internships, and mentorship.
- Built role-based dashboards and a powerful admin panel for colleges to manage user approvals and content.
- Engineered real-time community discussion features using Pusher, contributing to a successful platform launch and scaling to **1,500+ users**.

LEADERSHIP & ACHIEVEMENTS

President, Web Development Club | Baba Farid College of Engineering | *01/2024 - 04/2025*

- Led a team of developers, mentoring 50+ students in modern web technologies while overseeing the end-to-end development of multiple college projects.

2nd Place, BFCET National Hackathon | *01/2025*

- Secured 2nd place out of 50+ teams by leading the development of a full-stack, AI-powered mobile app using React Native, Express.js, and the Gemini SDK in a 36-hour hackathon.

EDUCATION

Bachelor of Technology, Computer Science & Engineering
Baba Farid College of Engineering and Technology, Bathinda | 08/2022 - 06/2026