Prakhar Sahu

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EDUCATION

Dayananda Sagar College Of Engineering — Bengaluru

B.E. in Electronics and Communication — *Nov 2022 – Aug 2026*

- Current CGPA: 7.8

EXPERIENCE

Electronic Arts Software Engineering Virtual Program — April 2025

Software Engineer Intern

- Proposed and implemented a Dynamic Crowd Momentum System for EA Sports College Football to simulate real-time crowd reactions and home-field advantage.
- Designed UML class diagrams and developed C++ header files representing program architecture and game objects.
- Improved the EA Sports Challenge Football codebase performance by optimizing data structures, enhancing memory efficiency, and resolving legacy bugs.

PROJECTS

FinTrack | NextJS, TailwindCSS, Prisma, Supabase | [GitHub](#) | [Deployment](#)

- Engineered a full-stack financial tracking platform featuring **AI-powered receipt scanning**, enhancing expense logging accuracy by **40%**.
- Applied secure authentication via Clerk with bot protection and rate limiting, improving system reliability.
- Automated recurring transactions and email workflows using **Inngest** cron jobs to streamline user management.

FoodBridge | ReactNative, Firebase, TypeScript | [GitHub](#)

- Enhanced a cross-platform mobile app connecting food donors and recipients, enabling 100+ verified transfers.
- Integrated **Firebase Authentication**, **Firestore**, and Storage to secure data and enable real-time updates.
- Executed GPS-enabled listings and optimized request management, reducing response time by **30%**.

Viducate | NextJS, TailwindCSS, Prisma ORM, API | [GitHub](#) | [Deployment](#)

- Designed an AI-driven learning platform converting text into interactive video lessons with avatars.
- Added gamification features (quizzes, leaderboards, badges), increasing learner engagement by **45%**.
- Improved accessibility with multi-language support and avatar customization.

TECHNICAL SKILLS

Languages: C++, JavaScript, SQL
Frameworks: React, Next.js, Node.js, Express, Tailwind CSS, Socket.IO
Databases: MongoDB, PostgreSQL, MySQL, Supabase
Tools & Platforms: Docker, Kubernetes, Git, GitHub Actions, GitLab, Jenkins
Deployment & Hosting: Render, Vercel, AWS
Methodologies: Agile Development, Scrum, CI/CD, Test-Driven Development (TDD)

ACHIEVEMENTS

- **Best Project Award** – IEEE YESIST12 Prelims – Kaushalya Open House Expo 2025 for "Benchmarking YOLO Version for Automatic Retail Checkout."

- **International Finalist**, IEEE YESIST12 2025 – represented India at **Universiti Kebangsaan Malaysia** for innovation in sustainable tech solutions.