ABHAY BANSAL

● Mohali, Punjab ✉ bansalabhay00@gmail.com ☎ +91-7973446163 in Linkedin ⌂ Github ⊕ abhaybansal.in

EDUCATION

Chandigarh University, *Punjab, India* — **07/2026**
Bachelor of Engineering - Computer Science and Engineering – Percentage: 75.2%

The Bohras Global School, *Mahwa Dausa, Rajasthan* — **06/2021**
Class XII CBSE – Percentage: 83.4%

The Bohras Global School, *Mahwa Dausa, Rajasthan* — **03/2019**
Class X CBSE – Percentage: 84.3%

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, C++, Solidity, HTML5, CSS3
Frontend & UI: React.js, Next.js, Redux, Context API, Three.js, Tailwind CSS, Framer Motion, GSAP
Backend & APIs: Node.js, Express.js, RESTful APIs, WebSockets, Prisma ORM, JWT Authentication
Databases & Cloud: MongoDB, PostgreSQL, MySQL, Redis, AWS (EC2, S3, Lambda), Vercel
Specialized Tech: Blockchain (Ethereum), Web Speech API, OAuth, Razorpay Integration, WCAG 2.1
Core CS: Data Structures & Algorithms, OOPs, DBMS, Operating Systems, Computer Networks

PROFESSIONAL EXPERIENCE

React.js Developer Intern — *Celebal Technologies* — **07/2025**
- Developed full-stack car rental app with React.js, Node.js, MongoDB plus JWT auth, reducing manual processes by 40%
- Created e-commerce platform featuring React hooks, Context API, and Redux state management, handling 10,000+ products and improving page load speed by 25%
- Streamlined RESTful APIs and real-time inventory updates across multiple user sessions
- Deployed applications on AWS (EC2, S3) with auto-scaling, maintaining 99.9% uptime and WCAG 2.1 compliance

Full Stack Developer Intern (Hybrid) — *Dripvive Pvt Ltd.* — **03/2025**
- Constructed 3D AI Virtual Assistant through TypeScript, Three.js and Web Speech API integration
- Increased user engagement by 40% with 2,000+ monthly interactions via WebGL animations and lip-sync
- Enhanced performance to 60 FPS through custom shaders and maintained 200ms latency with Socket connections
- Launched solution on cloud infrastructure supporting 500+ concurrent users during peak usage

PROJECTS

JuryX — Blockchain Hackathon Platform — **5/2025**
Technologies: Next.js, Solidity, Ethereum, WebContainers, Prisma, PostgreSQL — *Live • Source*
- Created decentralized judging system with Ethereum smart contracts ensuring tamper-proof evaluation and transparency
- Processed 5+ hackathon submissions with live code preview using WebContainers, reducing evaluation time by 50%
- Implemented real-time scoring dashboard with WebSockets and optimized database queries for instant updates

Prompt2App — AI-Powered No-Code Builder — **12/2024**
Technologies: Next.js, OpenAI API, TypeScript, Clerk Auth, Sandpack, Stripe — *Live • Source*
- Engineered prompt-to-code system using GEMINI API with 90% accuracy, generating React components from natural language
- Designed responsive UI with Tailwind CSS and context-based state management, improving workflow by 60%
- Integrated Razorpay payments and Clerk authentication with session persistence, achieving 85% user retention

Musicify — Real-Time Streaming Platform — **09/2024**
Technologies: React.js, Redux Toolkit, Node.js, WebSockets, MongoDB — *Live • Source*
- Built music streaming app with synchronized group playback using WebSockets, supporting 50+ concurrent users
- Enhanced Redux state management with RTK Query for API caching, achieving 500ms load times and 40% fewer calls
- Implemented responsive design with lazy loading and infinite scroll, improving mobile experience across devices

ACHIEVEMENTS

- **Winner - SAP National Hackathon Regional Round:** Built blockchain solution with smart contracts
- **Full Stack Development:** 2+ years experience with React.js, Node.js, and cloud technologies
- **Under Secretary - ISTE Chandigarh University:** Led website development, organized 5+ events for 200+ students
- **5-Star Rating on HackerRank:** Completed advanced algorithms and data structures challenges
- **Top 1% Performance:** Ranked in top percentile across multiple coding platforms