

ARYAN BHARDWAJ

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EDUCATION

Maharshi Dayanand University

New Delhi, India

Bachelor of Technology in Computer Science and Engineering

2023 – 2027

- Relevant coursework: Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks, Web Development.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, SQL, HTML, CSS
Frameworks	Next.js, React, Vite, Node.js, Express.js, Tailwind CSS, shadcn/ui, Radix UI
Backend & Database	PostgreSQL, Prisma ORM, Neon, REST APIs, Webhooks
Tools & DevOps	Git, GitHub, npm, pnpm, Bun, Vercel, Stripe, Clerk, Chrome Manifest V3, Biome, ESLint

ENGINEERING PROJECTS

LUMA Marketplace — Next.js, React, TypeScript, Prisma, PostgreSQL, Clerk, Stripe Live Demo ◊ Source Code

- Built a full-stack course marketplace MVP featuring dynamic course discovery dashboards, deep-linked lesson routing, and modular creation view environments.
- Implemented secure role-based access control (RBAC) via Clerk integration, ensuring airtight verification boundaries between student and instructor privileges.
- Integrated Stripe Checkout alongside robust asynchronous webhook pipelines for `checkout.session.completed` events, mapping complex relational course-to-enrollment schemas via Prisma ORM on Neon PostgreSQL.

VoidTube — Chrome Extension, JavaScript, Manifest V3, DOM API Demo ◊ Source Code

- Developed a production-grade Manifest V3 Chrome extension providing inline channel-level analytics, persistent limit configurations, and custom visual content restrictions.
- Resolved complex, silent tracking disruptions caused by YouTube's single-page app (SPA) client-side navigation routing by tapping directly into `yt-navigate-start` and `beforeunload` rendering lifecycles.
- Engineered local analytic metrics utilizing asynchronous, non-blocking `chrome.storage.local` execution threads to guarantee zero UI latency during real-time DOM telemetry injections.

kontxt-cli — TypeScript, Node.js, Commander, js-tiktoken, globby, tsup npm ◊ Source Code

- Architected and published an open-source system CLI application onto the public npm registry that parses and serializes deep file architectures into flat, clean Markdown context maps.
- Engineered deterministic contextual string-splitting algorithms explicitly targeting LLM token standard architectures across 32k, 64k, and 128k prompt context frames.
- Configured a modern, highly deterministic build and compilation environment using TypeScript, tsup, Biome, and Bun execution runners.

Cloudline — React, Vite, TypeScript, Tailwind CSS, Open-Meteo API Live Demo ◊ Source Code

- Built a responsive weather application with city search, location-based weather, hourly forecasts, 7-day forecasts, saved favorites, and theme switching.
- Integrated Open-Meteo weather and geocoding APIs with client-side state management, localStorage persistence, weather-specific icons, and API error handling.
- Implemented a polished Tailwind UI with dynamic backgrounds and mobile-friendly layouts for frontend internship-style product work.

ACHIEVEMENTS

CodeSangam'24 Hackathon | *SGT University*

2024

- Secured second position out of numerous competing teams in CodeSangam'24 Hackathon organized by SGT University.