

Aryan

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EDUCATION

Delhi Technological University

Bachelor of Technology in Chemical Engineering

New Delhi, India

Aug. 2024 – Aug 2028

Air Force Senior Secondary School

class 10th - 12th

New Delhi, India

June. 2021 – June 2023

PROJECTS

Ayutra – AI-Powered Ayurvedic Diet System | *React, Node.js, MongoDB, FastAPI, Python, XGBoost*

- Developed an AI-driven healthcare system for personalized diet planning, prakriti analysis, compliance tracking, and patient management.
- Built machine learning services using **FastAPI** and **XGBoost** for prakriti prediction and diet generation on an 8,000+ Ayurvedic food dataset.
- Implemented role-based access control (Admin, Practitioner, Patient) with JWT authentication and secure REST APIs.
- Designed responsive dashboards with analytics, charts, and food explorer using React, Redux Toolkit, and Tailwind CSS.
- **Links:** [Live Website](#) — [GitHub](#)

Nimbus Keyboard – 3D Interactive Website | *Next.js, TypeScript, Three.js, React Three Fiber, GSAP, Prismic, Stripe*

- Created an immersive 3D keyboard product showcase using Three.js and React Three Fiber with interactive keycap themes and switch demos.
- Integrated GSAP animations, HDR lighting, asset optimization, and mobile-friendly 3D interactions.
- Implemented e-commerce functionality with Stripe checkout and dynamic content management using Prismic CMS.
- **Links:** [Live Website](#) — [GitHub](#)

Second Brain – Productivity and Knowledge Hub | *MERN Stack, TypeScript, Vite, Tailwind CSS, JWT*

- Built a full-stack productivity platform to save, search, organize, and share notes, YouTube links, articles, GitHub repositories, and documents.
- Developed secure backend APIs with JWT authentication, MongoDB, and modular TypeScript architecture.
- Designed a clean, responsive UI with filters, categories, and public sharing via unique shareable links.
- **Links:** [Live Website](#) — [GitHub](#)

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C/C++, SQL (PostgreSQL, MySQL), HTML, CSS

Frameworks: React, Next.js, Node.js, Express.js, Redux Toolkit, React Three Fiber, React Three Drei, GSAP, Tailwind CSS

Developer Tools: Git, GitHub, TurboRepo, Monorepo, VS Code, Cursor, Vercel

Databases: MongoDB, PostgreSQL, MySQL

Other Skills: REST APIs, JWT Authentication, WebSockets, Stripe API, 3D Web Development

ACHIEVEMENTS

SIH'25 Grand Finalist: Smart India Hackathon 2025 (Government of India)

Full-Stack Developer: MERN Stack, TypeScript, SQL, REST APIs, JWT Authentication

Built AI-driven applications: Scalable backend architecture and clean, responsive UI using Tailwind CSS