

# 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