

Arnav Paniya

ECE Student · Freelance Web & App Developer · AI Enthusiast

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arnavpania.vercel.app

PROFILE

Second-year B.E. ECE student at BMSIT&M, Bengaluru (Batch 2024–28) maintaining a CGPA of **8.97**. Part-time freelancer specialising in cinematic web experiences, full-stack applications, and AI-integrated products. Passionate about the intersection of engineering, design and artificial intelligence — shipping production-grade software while pursuing academics. Active IEEE AP-S student member and hackathon competitor.

EXPERIENCE

Application Developer

ALTERINO BMSIT · Bengaluru

- Developing internal applications for the ALTERINO student club at BMSIT.
- Building and maintaining web-based tools to streamline club operations.

March 2026 – Present

Web Development Intern

DevsBazaar · Bengaluru

- Contributing to client web development projects in a professional agency setting.
- Working across frontend and full-stack development using modern frameworks.

January 2026 – Present

Freelance Frontend Developer & Designer

Agency (growwithadency.com) · Client Project

- Designed and developed a cinematic agency website for a video production brand.
- Built interactive 3D retro camera model using React Three Fiber / Three.js.
- Implemented GSAP scroll animations, Lenis smooth scroll, and WhatsApp conversion funnel.

2025

Frontend Developer · Team VantEdge

IEEE AP-S BMSIT&M; Student Chapter

- Built RF noise monitoring dashboard for campus with real-time heatmaps and SNR analytics.
- Integrated Recharts visualisation, Leaflet GPS maps, CSV export, and AI voice assistant.
- Collaborated with hardware team on live ESP32 sensor data integration.

2025

Full Stack Developer

SZK-AeroX (szkaerox.vercel.app) · Collaborative Project

- Built premium UAV marketing platform with dark techno-aesthetic and 3D drone model.
- Multi-page layout with parallax scroll, pre-order modal, and cinematic transitions.

2025

PROJECTS

Agency — Video Production Agency Website

Freelance · Frontend · 3D

Cinematic website for a video production agency specialising in UGC, brand promotional videos and social media content. Features interactive 3D retro camera (GLB), GSAP scroll animations, Framer Motion transitions, Lenis smooth scroll, "Pay After Delivery" conversion funnel with WhatsApp redirection, and fully responsive layout.

Stack: Next.js 16 · React 19 · Three.js · React Three Fiber · GSAP · Framer Motion · Tailwind CSS v4

■ <https://growwithadency.com>

■ <https://github.com/arnavpaniya/Agency>

SZK-AeroX — Search & Rescue UAV Marketing Site

Freelance / Collab · Frontend · 3D

Premium cinematic marketing platform for a Search & Rescue UAV system. Interactive 3D quadcopter model, scroll-dependent animations, dark techno-aesthetic, multi-page layout, and pre-order modal. Built in collaboration with Adithya SP, Rithesh S, and Harshit NM.

Stack: Next.js · React · Three.js · React Three Fiber · Framer Motion · Tailwind CSS

■ <https://szkaerox.vercel.app>

■ <https://github.com/arnavpaniya/SZK-AeroX>

VantEdge — RF Noise Monitoring Dashboard

[IEEE AP-S BMSIT&M;](#) · [Full Stack](#)

Real-time RF noise monitoring and visualisation dashboard for BMSIT&M; campus. Features a "War Room" live dashboard with RSSI/SNR/noise floor metrics from ESP32 sensor nodes, interactive GPS heatmaps, historical trend analytics, CSV export, device management, and an AI voice assistant. Team: Jishnu K (Hardware), Chinmay R (Firmware), Arnav Paniya (Dashboard UI/UX), Adithya SP (Data).

Stack: Next.js 14 · TypeScript · Tailwind CSS · Recharts · Leaflet.js · React Hooks

■ <https://vantedge.vercel.app>

■ <https://github.com/arnavpaniya/rf-dashboard>

Ascendia — EdTech Web App

[Full Stack](#) · [EdTech](#)

Modern educational technology web application with 3D visual elements, chart-based analytics, smooth animations, and server-side data fetching. Built with Next.js App Router and Zustand state management.

Stack: Next.js 16 · TypeScript · Zustand · Three.js · React Three Fiber · Framer Motion · Recharts · React Query

■ <https://ascendia-five.vercel.app>

■ <https://github.com/arnavpaniya/ascendia>

RollCall — QR-Based Attendance System

[Utility](#) · [Smart System](#)

Smart QR-based attendance management system. Teachers generate unique time-bound QR codes per session; students scan to mark attendance via camera. Features real-time dashboard, role-based access (teacher/student/admin), auto-expiry QR codes, enrollment validation, and attendance analytics.

Stack: Next.js 14 · TypeScript · Tailwind CSS · qrcode.react · html5-qrcode · date-fns

■ <https://rollcall-mu.vercel.app>

■ <https://github.com/arnavpaniya/RollCall>

EventSphere — Event Management Platform

[SaaS](#) · [Full Stack](#)

Comprehensive event management platform for organisers and participants. Organiser dashboard for creating/editing/deleting events, participant registration system, Firebase authentication, role-based access control, real-time updates, and responsive design.

Stack: React 18 · TypeScript · Vite · Tailwind CSS · Firebase (Auth + Firestore) · React Router v7

■ <https://eventsphere-ochre.vercel.app>

■ <https://github.com/arnavpaniya/EventSphere>

MealLink — Surplus Food Redistribution Platform

[Social Impact](#) · [Frontend](#)

Social innovation platform bridging food surplus and food scarcity by connecting PGs, hostels and restaurants with nearby NGOs. Includes food quality verification checklist, real-time listing visibility, pickup request flow, and mobile-first responsive design.

Stack: Next.js 15 · React 19 · Tailwind CSS v4 · TypeScript

■ <https://meallink.vercel.app>

■ <https://github.com/arnavpaniya/MealLink>

GreenByte — E-Waste Management System

[Social](#) · [SCR Project](#) · [Full Stack](#)

Full-stack e-waste management system built as an academic Social Connect & Responsibility (SCR) project at BMSIT&M.; Users submit pickup requests; admins manage via dashboard. Includes REST API, MongoDB Atlas integration, awareness page, and cross-platform deployment.

Stack: HTML5 · CSS3 · JavaScript · Node.js · Express.js · MongoDB Atlas · Mongoose

■ <https://grenbyte.netlify.app>

■ <https://github.com/arnavpaniya/GreenByte>

TECHNICAL SKILLS

Frontend	React 19, Next.js 15+, TypeScript, Tailwind CSS v4, Framer Motion, GSAP, Lenis
3D & Animation	Three.js, React Three Fiber, @react-three/drei, GLB model integration
Backend & DB	Node.js, Express.js, MongoDB, Mongoose, Firebase (Auth + Firestore), REST APIs
Data & Viz	Recharts, Leaflet.js, D3-style charting, CSV export pipelines
Design & UI/UX	Figma, Glassmorphism, Design Systems, Prototyping, Responsive Design
AI & Cloud	LLM integration, AI prompting, Google Cloud Platform, Vercel, Netlify
Systems & Other	Python, C/C++, Verilog, MATLAB, Git, VLSI fundamentals, Zustand, React Query
Languages	English (fluent), Hindi (native)

EDUCATION

B.E. Electronics & Communication Engineering BMSIT&M;, Bengaluru CGPA: 8.97 / 10 (current)	2024 – 2028
Senior Secondary (11th–12th) Vardhman International School, Jaipur	2022 – 2024
Secondary (9th–10th) Ryan International School, Jaipur	2020 – 2022
Primary & Middle School (till 8th) Delhi Public School, Jodhpur	Till 2020

CERTIFICATIONS & COURSES

Google Cloud Computing Foundations — Google Cloud · GDG BMSIT Partnership	2024–25
Introduction to C Programming — Infosys Springboard	2024
Cybersecurity Fundamentals — Infosys Springboard	2024
MATLAB Onramp & Signal Processing Fundamentals — MathWorks	2024–25
Multiple Hackathon Participation Certificates — Various college & inter-college hackathons	2024–25

MEMBERSHIPS & ACTIVITIES

- IEEE AP-S (Antennas & Propagation Society) Student Member — BMSIT&M; Chapter
- ALTERINO BMSIT — Application Developer (student club)
- Active open-source contributor with 8 public repositories on GitHub
- Hackathon participant — multiple college and inter-college competitions