

RAJASHEKHAR AMARAPPAGOL

Full-Stack Web Developer | HTML, CSS, Firebase & AI-Assisted Stack

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PROFESSIONAL SUMMARY

Microsoft Certified Azure AI Developer and final-year BCA student passionate about building clean, responsive, and high-performance web applications. With strong foundations in HTML, CSS, Firebase, and MongoDB, I lead database schema design, application workflows, and responsive user interfaces. I leverage Google Antigravity as an AI pair-programmer to implement modern React, TypeScript, and Three.js components, taking full ownership of rigorous debugging and state management to bring projects into production. Shipped multiple live projects deployed on Vercel and Firebase; secured 4th place out of 69 teams at IEEE AI Arena 2.0. Seeking a Web Development or Full-Stack Internship to build reliable software alongside experienced engineers.

TECHNICAL SKILLS

Core & Languages (Hands-on): HTML5, CSS3, JavaScript (Basics), Python (Basics), SQL

Backend & Databases (Hands-on): Firebase (Firestore, Authentication, Hosting), MongoDB, REST APIs, Database Schema Design

AI-Assisted Frameworks (Built with Antigravity): React.js, TypeScript, Next.js, Tailwind CSS, Three.js / React Three Fiber

Developer Tools & Platforms: Google Antigravity, Git, GitHub, VS Code, Vercel

TECHNICAL PROJECTS

Apex - AI-Powered Career Planning Platform | [Live Demo](#) • [GitHub](#)

Tech Stack: [Google Antigravity](#), [React Three Fiber](#), [TypeScript](#), [LLM APIs \(Gemini/OpenAI\)](#), [GSAP](#)

- Designed the end-to-end system architecture and user experience for a 3D career roadmap platform that synthesizes adaptive 30-day technical curriculums via LLM APIs.
- Leveraged Google Antigravity to build interactive 3D visual environments in React Three Fiber; tuned camera perspectives and geometry instancing to sustain locked 60 FPS performance.
- Debugged complex asynchronous streaming responses and component state across multiple views, resolving UI latency and race conditions across 50+ iteration cycles.

KAD Multiplier (Soil Multiplier) - Full-Stack E-Commerce Platform | [Live Demo](#) • [GitHub](#)

Tech Stack: [Firebase \(Firestore, Authentication\)](#), [React](#), [HTML](#), [CSS](#), [Tailwind CSS](#)

- Architected the database schemas, security rules, and customer checkout flows for a live agricultural e-commerce application.
- Configured real-time Cloud Firestore snapshot listeners to synchronize product catalogs and inventory levels across active users without manual page reloads.
- Implemented secure Firebase Authentication and fine-grained database access rules to safeguard customer orders and checkout transactions.

Developer Portfolio - 3D Interactive Web Application | [Live Demo](#) • [GitHub](#)

Tech Stack: [Google Antigravity](#), [React](#), [TypeScript](#), [Three.js](#), [Vite](#), [HTML/CSS](#), [Framer Motion](#)

- Designed and deployed a personal portfolio featuring interactive WebGL particle systems, responsive canvas shaders, and a built-in terminal emulator.
- Achieved a 95+ score on Google Lighthouse audits through aggressive code-splitting, asset compression, and deferred bundle loading.
- Engineered fluid micro-interactions and smooth spring physics with Framer Motion, ensuring seamless responsive navigation across mobile and desktop.

ACHIEVEMENTS & AWARDS

4th Place (out of 69 Teams) - AI Arena 2.0 (Inception) | IEEE Student Branch, BLDEA CET Vijayapura | Mar 2026

- Designed and deployed an AI educational web app under strict hackathon time constraints; judged top 6% on system architecture, model integration, and UX design.

Academic Distinction in Computer Science - Class 12 (PUC) | V B Darbar PU College | 2024

- Secured 95/100 in Computer Science with an 81% aggregate, demonstrating strong foundations in programming and relational databases.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Applications (BCA) | A S Patil College of Commerce (Autonomous), Vijayapura | Expected 2027

- Relevant Coursework:** Full Stack Development (REST APIs, Web Security), NoSQL Databases (MongoDB), Data Structures, Software Engineering (SDLC)

Microsoft Certified: Azure AI Apps and Agents Developer Associate | Microsoft | Sep 2026

- Credential ID:** BDA7BFE0C929AE66 | [Verify on Microsoft Learn](#) | AI/ML Training: Digital Dreams Institute