

Tarun Kannadas

Software Engineer

Kanayannur, India | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

Full-stack developer specializing in 3D interactive web applications, game development, and enterprise platforms. 3+ years building scalable digital solutions across Roblox, React, and custom game engines.

EXPERIENCE

Full Stack Developer Intern IB Advisory Shipped features and resolved platform issues for a live production application. Integrated secure authentication flows and REST APIs while collaborating on cross-functional testing, version control, and responsive UI implementations to improve platform stability.	May 2026 — Jun 2026 <i>Kochi, Kerala, India</i>
Android Development Intern Krutanic Solutions Developed native Android applications using Kotlin and Java, implementing RESTful network communications with Retrofit and building dynamic UI components with RecyclerView.	Jun 2025 — Aug 2025 <i>Bengaluru, Karnataka, India</i>
Python Developer Intern [Trainee Program] ClinchCloud Solutions - Developed Python projects like a calculator, contact book, weather app, and task manager. - Utilized Pandas, NumPy, APIs, Flask, SQLite, and deployment on Render.com. - Completed a Job Portal project as the final assignment.	Apr 2025 — Apr 2025
Marketing Associate (Digital Marketing) Bumberry - Managed end-to-end digital marketing initiatives, enhancing online engagement on platforms like Instagram and Facebook. - Independently created visually compelling product catalogues for eCommerce platforms, increasing product visibility. - Leveraged design tools such as Canva and Adobe Illustrator to develop marketing materials, improving brand consistency. - Coordinated with cross-functional teams, gaining insights into operations and inventory management processes.	Jul 2024 — Jun 2025 <i>Kochi, Kerala, India</i>
Full Stack Web Development Intern Solar Secure Solutions Built web application backends using Node.js and MySQL, integrating PayPal API for secure payment processing in production environments.	May 2024 — Aug 2024 <i>Kochi, Kerala</i>
Roblox Developer & 3D Generalist (Freelance) Self-Employed Built custom Roblox experiences under the handle CREED_3056, handling 3D environment design, UGC modeling, and interactive Lua scripting. Managed complete asset pipelines from concept art through optimization using Roblox Studio and Blender.	Jan 2021 — Present <i>Kochi, Kerala, India</i>

EDUCATION

Cochin University of Science and Technology (CUSAT) <i>Master of Vocation (MVoc) in Software Application Development – Mobile and Web Technologies</i> Currently pursuing M.Voc in Software Application Development at DDU Kaushal Kendra, CUSAT, with a focus on mobile and web application development. Completed the first year covering full-stack development, MERN stack, database and backend technologies, object-oriented programming, product engineering, Android development using Kotlin/XML and Jetpack Compose, cloud technologies, project management, and software lab work. During this PG period, I strengthened my practical development skills by working on real-world web and mobile application workflows, including frontend UI development, backend/API logic, database design, Android app features, Git-based development, testing, and documentation. I also worked on live-project style systems such as insurance/financial advisory workflows, HRHub modules, employee manual management, proposal/document workflows, and Android learning projects.	Jul 2025 — Apr 2027
SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT (SSTM) <i>Bachelor's of Computer Applications - BCA in Computer Programming/Programmer, General</i> Activities and societies: Actively engaged in coding clubs, tech workshops, and project showcases at SCMS. Participated in collaborative projects and presentations, including the Vehicle Slot Management System and E-commerce Store (CREEDBOZ), gaining teamwork and leadership experience. Communication, Canva and +6 skills	Oct 2021 — Jun 2024

PROJECTS

NSS HSS Palkulangara School Website

Designed and developed the official website for NSS HSS Palkulangara using Astro, Tailwind CSS, and JavaScript, focusing on a fast, responsive, and modern user experience. The project included building multiple pages, implementing a dynamic gallery with image management, and optimizing the website for performance and accessibility.

As part of the development process, I explored integrating a headless CMS for content management before ultimately implementing a custom solution better suited to the project's requirements. The website was deployed on Vercel, giving me hands-on experience with production deployment, build optimization, and maintaining a live web application.

This project strengthened my understanding of modern frontend development, responsive design, deployment workflows, and making technical decisions based on project needs rather than simply following a predefined approach.

Technologies Used: Astro, Tailwind CSS, JavaScript, HTML, CSS, Cloudinary, Vercel, Git/GitHub

Job Portal

This Job Portal web application is designed to connect job seekers with employers, allowing users to browse, post, and apply for jobs efficiently.

Frontend: HTML, CSS, Bootstrap, and Jinja2 templates

Backend: Python Flask with SQLite3 used for user authentication and job posting metadata, while job listings and applications are managed via JSON files.

3D Enterprise Platform & CMS with real-time state synchronization, Cognior

Architected an enterprise 3D web platform featuring a custom particle physics engine driven by React Three Fiber. Implemented a serverless CMS using Upstash Redis and Vercel KV with zero-reload state synchronization via BroadcastChannel APIs.

Corporate website for construction company, Hexon World

Deployed a responsive WordPress site using Elementor with optimized hosting configuration, security hardening, and SEO implementation on Hostinger.

Custom ecommerce platform with PC assembly compatibility, CREEDBOZ

Built a custom ecommerce backend featuring a PC compatibility and assembly algorithm alongside real-time community chat. Used PHP, MySQL, and Bootstrap for a fully functional shopping and social experience.

CERTIFICATIONS

Agile Software Development, LinkedIn	Jun 2026
Blockchain and It's Application, NPTEL	Apr 2026

SKILLS

Astro · Tailwind CSS · Lua · Python · C# · Java · Kotlin · PHP · JavaScript · Node.js · MySQL · Redis · MongoDB · MERN · React · Vite · Three.js · Vercel Serverless · REST APIs · Roblox Studio · Unity 2D · Blender · Android Studio · Git · Figma · Postman · WordPress · Full Stack Web Development · 3D Modeling · Game Development · Backend Development · Frontend Development