

RAHUL DHILEEP KUMAR

Product Engineer | Executive Director | SaaS and Mobile Applications

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PROFESSIONAL SUMMARY

Product Engineer and Executive Director at TrackMy Tech Pvt Ltd, building software from product discovery through architecture, implementation, and production release. Founded Track My Academy, a live sports academy management SaaS product used by approximately 50 academies and around 2000 players, and independently built its production Android and iOS applications. Combines hands-on engineering with direct experience in sports operations, customer feedback, and product planning.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, Swift, Kotlin, HTML, CSS

Web and Mobile: React, Next.js, React Native, Tailwind CSS, Android and iOS applications

Backend and Data: Node.js, Express.js, FastAPI, REST APIs, MongoDB, Supabase, Firebase, Redis, Socket.io

Cloud and Tools: AWS EC2, AWS S3, Microsoft Azure, Vercel, Nginx, PM2, GitHub, Razorpay

Product Engineering: System architecture, multi-tenant SaaS, authentication, role-based access, payment workflows, dashboards, reporting, deployment, application state management

AI and Developer Tools: OpenCV, Electron, Ollama, Monaco editor, AI-assisted workflows

PROFESSIONAL EXPERIENCE

Executive Director | TrackMy Tech Pvt Ltd

June 2026 - Present | Chennai, India | www.trackmytech.in

- Lead product direction, technology strategy, and execution planning across sports-tech, edtech, SaaS platforms, and digital systems.
- Oversee product architecture, internal workflows, and product-market positioning; develop Track My Academy as the company's sports academy management product.

Founder and Product Engineer | Track My Academy

December 2024 - Present | Product under TrackMy Tech Pvt Ltd | www.trackmyacademy.com

- Founded and built a live SaaS product serving approximately 50 academies and around 2000 players; owned product structure, user flows, architecture, engineering, and deployment.
- Developed React dashboards, FastAPI REST APIs, and MongoDB models for academy, coach, and player management, attendance, fee tracking, analytics, and reports.
- Implemented multi-tenant workflows, authentication, role-based access, and Razorpay payments; deployed the platform using AWS EC2 and Vercel.
- Independently built the complete Android and iOS applications and released both to production; developed notification modules supporting mobile workflows.
- Refined product decisions and operational workflows using feedback from academy owners, coaches, players, and administrators.

AI and Product Development Lead | BioBrigade - BioPipeline

March 2026 - Present | www.biopipeline.online

- Worked with the founding team to build a plant molecular docking SaaS product from scratch using Next.js, TypeScript, and Supabase.
- Designed system architecture, backend and scientific pipeline workflows, and user flows for compound upload/selection, docking execution, molecular interaction outputs, and result management.

Technical Operations Manager | CP Sports

November 2023 - Present | Chennai, India

- Transitioned from part-time football coaching into technical operations after identifying gaps in academy, event, and digital workflows.
- Built the organization's first official website and internal academy/event tools; manage digital team workflows, coach coordination, branch support, and event pre-planning.

SELECTED PROJECTS

Veeran Tournament Engine | Tournament Operations Platform

Next.js, React, Supabase, AWS S3, MongoDB | www.veerancup.in

- Built tournament registration, public-facing and administrative workflows, media management, and AI photo features while working with CP Sports.
- Designed the product, user flows, and application state handling across organizer and public-facing modules.

Pager System | Internal Developer Tool

- Built a real-time error and notification system for Track My Academy developers, designing system architecture, backend APIs, and alert flows to support debugging and operational visibility.

Local Coding Agent | Offline Coding Assistant Experiment

Electron, React, Ollama, Monaco editor

- Built a personal offline coding assistant experiment to explore contextual memory limitations; worked on local AI workflows, code editing, file management, code execution, GitHub integration, and desktop packaging.

IDEA Lab Inventory Management Software

React, TypeScript, Vite, Supabase, TanStack Query, Tailwind CSS, ShadCN/Radix UI

- Built a web-based inventory application for institutional lab operations, designing structured user interfaces, data workflows, and operational screens for usability and maintainability.

Smart Football R&D System | December 2024 - December 2025

- Designed and tested a low-cost smart football concept, covering sensor selection, component placement, ball balance, pressure/bladder research, and app dashboard and analytics concepts; paused development due to funding constraints.

AWARDS AND RECOGNITION

- **Master of Purple Fabric AI** | Intellect Design Arena Hackathon | April 2026
Recognized for applied AI, product problem-solving, and practical implementation.
- **First Place - HackAtom** | Russian Embassy Hackathon | 2026
Recognized for building and presenting a technical solution.
- **Chief Guest - AURORA '26 Valedictory Ceremony** | Ethiraj College for Women | September 2026
- **Resource Person - Basic Python for Financial Analysis** | Ethiraj College for Women | 18 September 2026
Conducted a hands-on workshop connecting real-world finance concepts with practical Python exercises.
- **Guest Speaker - Student Founder** | VISTAS | March 2026
Spoke about building a product from scratch and the realities of the SaaS industry and market.

EDUCATION

B.Tech, Computer Science Engineering - Artificial Intelligence and Data Science

Vels Institute of Science, Technology and Advanced Studies, Chennai | 2023 - 2027 (Expected)

Praveen Uttarardh (Hindi)

Dakshina Bharat Hindi Prachar Sabha | May 2015 - August 2021 | Second Class

ADDITIONAL EXPERIENCE AND LEADERSHIP

- **Full Stack Developer - Volunteer, Paradox, IIT Madras** | November 2024 - February 2025: Contributed responsive event website templates, registration support, performance fixes, and deployment workflows.
- **Web Developer Intern, Wayspire** | December 2023 - February 2024: Contributed frontend features, UI components, testing, and backend integration workflows.
- **Student Director, Unstop** | October 2024 - February 2025: Supported student events and engagement campaigns. **Secretary, VISTAS Coding Club** | November 2023 - January 2024: Coordinated coding activities and workshops.

Certifications: UiPath Studio Family - Learnathon India 2023; MongoDB Document Model

Languages: English, Tamil, Hindi