

RAHUL DHILEEP KUMAR

Product Engineer | Executive Director | SaaS and Mobile Product Builder

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TrackMy Tech: www.trackmytech.in | Track My Academy: www.trackmyacademy.com

PROFESSIONAL SUMMARY

Product Engineer and Executive Director at TrackMy Tech Pvt Ltd, building SaaS products, sports technology systems, internal operations platforms, and AI-assisted workflows. Combines hands-on software engineering with product planning, customer feedback, sports operations, and applied R&D.

Founder of Track My Academy, a live sports academy management SaaS product used by approximately 50 academies and around 2000 players. Owns product architecture, web and mobile engineering, and cloud deployment; independently built and released its complete Android and iOS applications to production.

TECHNICAL SKILLS

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

Frontend: React, Next.js, Tailwind CSS, Framer Motion, responsive UI development

Backend: Node.js, FastAPI, Express.js, REST APIs, authentication workflows, API design

Databases and Auth: MongoDB, Supabase, Firebase, PostgreSQL exposure, role-based access, multi-tenant SaaS workflows

Mobile and Real-Time: React Native, Android and iOS applications, Socket.io, notifications, real-time alerting

Cloud and Deployment: AWS EC2, AWS S3, Microsoft Azure, Vercel, Netlify, Render, Nginx, PM2, DNS management

Tools and Platforms: GitHub, VS Code, Google Play Console, Razorpay, Redis, Sentry, ReportLab/PDF workflows

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

Product Engineering: System architecture, product design, user flows, application state management, dashboards, reporting, scientific workflows, sports-tech hardware prototyping

PROFESSIONAL EXPERIENCE

Executive Director | TrackMy Tech Pvt Ltd

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

- Lead product direction, technology strategy, and execution planning for a product and technology company focused on sports-tech, edtech, SaaS platforms, and digital systems.
- Position Track My Academy as a product under TrackMy Tech, with focus on sports academy management, operational automation, and scalable SaaS delivery.
- Oversee product planning, technical architecture, internal workflows, digital systems, and product-market positioning across product and client-facing work.
- Work across sports-tech, edtech, AI-assisted systems, digital infrastructure, product R&D, and expansion planning.

Founder and Product Engineer | Track My Academy

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

- Founded and built Track My Academy as a live sports academy management SaaS product used by approximately 50 academies and around 2000 players.
- Designed the complete product structure, user flows, dashboards, system architecture, backend APIs, database models, and deployment workflows.
- Built live modules for academy management, coach management, player management, attendance, fee tracking, analytics, reports, admin dashboard, role-based access, and multi-tenant workflows.
- Implemented authentication, payment workflows, reporting systems, cloud deployment, and operational dashboards for real academy usage.
- Independently built the complete Android and iOS applications for Track My Academy and released both to production.
- Built notification modules supporting Track My Academy's mobile workflows.
- Iterated product decisions based on practical feedback from academy owners, coaches, players, and operational users.

Technical Operations Manager | CP Sports

November 2023 - Present | Chennai, India

- Started as a part-time football coach and transitioned into technical operations by identifying operational gaps in academy, event, and digital workflows.
- Manage the digital team, coordinate with coaches across branches, support event pre-planning operations, and participate in key operational decision-making.
- Handle parent interactions, sports operations coordination, internal tools, and occasional finance-related coordination.
- Built the organization's first official website, established its digital presence, and developed internal tools that continue to support academy and event operations.
- Bridge football coaching knowledge, sports operations, and software/product thinking to solve real operational problems.

AI and Product Development Lead | BioBrigade - BioPipeline

March 2026 - Present | www.biopipeline.online

- Worked with the founding team to build BioPipeline, a plant molecular docking SaaS product, from scratch.
- Designed system architecture, backend workflows, scientific pipeline flows, product structure, and overall user experience flow.
- Built product flows for compound upload/selection, docking workflow execution, molecular interaction output viewing, and result management.
- Contributed to converting a scientific tool concept into a structured SaaS product with supporting systems.

Independent Product and Digital Systems Work | Selected Organizations and Individuals

2023 - Present | Chennai, India

- Built business websites, sports websites, portfolio websites, event websites, internal tools, admin dashboards, product landing pages, and SaaS-style prototypes.
- Worked directly with founders, sports organizations, individuals, and small businesses to convert requirements into practical digital systems.
- Handled frontend implementation, backend integrations, hosting, deployment, basic SEO setup, and digital presence workflows.

Full Stack Developer - Volunteer | Paradox, IIT Madras

November 2024 - February 2025 | Hybrid

- Contributed to event website development, responsive templates, registration support, performance fixes, and production deployment workflows.

Web Developer Intern | Wayspire

December 2023 - February 2024 | Remote

- Contributed to web application features, frontend modules, UI components, testing, and backend integration workflows.

Student Director | Unstop

October 2024 - February 2025 | Remote

- Organized and promoted student events, coordinated participation, and supported student engagement campaigns.

Secretary | VISTAS Coding Club

November 2023 - January 2024 | Chennai, India

- Coordinated technical activities, student projects, workshops, and coding events as part of the university coding community.

SELECTED PROJECTS

Track My Academy | Sports Academy Management SaaS | December 2024 - Present

Website: www.trackmyacademy.com

- Live SaaS product for sports academies, coaches, players, and administrators to manage academy operations, attendance, fees, players, coaches, analytics, reports, and administration.
- Designed multi-role workflows for academy owners, coaches, players, organization users, and administrators.
- Technology: React, FastAPI, MongoDB, Supabase, AWS EC2, Vercel, Razorpay, Firebase, Redis, Python, JavaScript, Tailwind, REST APIs.

Smart Football R&D System | Sports Technology Hardware and Product Design

Bootstrapped project | December 2024 - December 2025

- Designed the overall product concept for a low-cost smart football system inspired by professional smart match-ball concepts.
- Worked on internal product design, sensor/component selection, ball balance strategy, pressure/bladder/gas design research, prototype testing, mobile/app dashboard concepts, and data analytics models.
- Planned internal component placement to maintain ball balance, playability, and cost efficiency.
- Paused the project due to funding constraints after prototype testing, mentor support, and technical learning outcomes.

Veeran Tournament Engine | Tournament Operations Platform

Built while working with CP Sports | www.veerancup.in

- Designed an all-in-one tournament engine for organizers, supporting public tournament experience, registrations, admin workflows, media/content operations, AI photo features, and tournament management flows.
- Handled complete product design, user flow planning, app-state handling, and system planning across public and admin-side modules.
- Built the system without payment collection, live scores, certificate generation, or Excel reporting in this version.
- Technology: Next.js, React, Supabase, AWS S3, MongoDB, AI/photo tooling, admin workflows, app-state management.

BioPipeline | Plant Molecular Docking SaaS | March 2026 - Present

Website: www.biopipeline.online

- Plant molecular docking SaaS that helps users upload/select compounds, run docking workflows, view molecular interaction outputs, and manage results.
- Worked on system architecture, scientific pipeline flows, backend systems, product design, and user workflow structure with the founding team.
- Technology: Next.js, Supabase, TypeScript, backend workflows, scientific pipeline architecture, SaaS product design.

Pager System | Internal Real-Time Error and Notification System

Developer tool for Track My Academy

- Fully built an internal real-time pager and notification system to support development teams working on Track My Academy.
- Designed the product concept, system architecture, notification flows, and API workflows to reduce dependency on third-party alerting tools.
- Focused on internal error visibility, developer experience, debugging speed, and operational reliability.

Local Coding Agent | Offline AI Coding Assistant Experiment

- Built as a personal offline coding-agent experiment inspired by Claude Code and Bolt to solve contextual memory limitations in online coding agents.
- Explored local AI workflows, code editing, file management, GitHub integration, code execution, and desktop app packaging.
- Technology: Electron, Ollama/local AI workflows, React, Monaco editor, GitHub integration, desktop app tooling.

IDEA Lab Inventory Management Software

- Built a web-based inventory management application for lab/institutional workflows using React, TypeScript, Vite, Supabase, TanStack Query, Tailwind, and ShadCN/Radix UI.
- Designed structured UI flows, data workflows, and operational screens with focus on usability and maintainability.

Real-Time Communication Infrastructure | Personal Engineering Project

- Built real-time communication workflows using Node.js, Express, Socket.io, MongoDB/Mongoose, JWT, and Cloudinary.
- Explored message delivery, persistence, user sessions, media handling, and socket-based architecture.

Distributed Social Feed System | Personal Engineering Project

- Built a social-feed system to explore posts, likes, relationships, feed retrieval, optimistic UI concepts, and database schema design.
- Technology: Next.js, Prisma, Clerk, React, TypeScript, social feed architecture.

Client and Sports Organization Web Systems | Digital Presence and Internal Tools

2023 - Present | Selected confidential engagements

- Built multiple sports-related websites, event systems, academy websites, business sites, internal tools, and digital presence systems for organizations and individuals.
- Supported responsive UI development, deployment, basic SEO, admin workflows, and operational digital systems.

LEADERSHIP AND OPERATIONS

- Sports Operations: Started as a football coach and transitioned into technical operations, digital team management, branch operations, event planning, coach coordination, parent interactions, and internal systems.
- Startup and Product Leadership: Lead TrackMy Tech Pvt Ltd as Executive Director and built Track My Academy as a live SaaS product under TrackMy Tech.
- Technical Community: Served as Secretary of VISTAS Coding Club, Student Director at Unstop, and Full Stack Developer volunteer for Paradox, IIT Madras.

AWARDS AND RECOGNITION

Master of Purple Fabric AI | Intellect Design Arena Hackathon | April 2026

- Recognized for applied AI/product problem-solving and practical implementation in a competitive hackathon environment.

First Place - HackAtom | Russian Embassy Hackathon | 2026

- Recognized for building and presenting a strong technical solution in a competitive innovation environment.

Chief Guest - Valedictory Ceremony, AURORA '26 | September 2026

Ethiraj College for Women | Associated with TrackMy Tech Pvt Ltd

Resource Person - Basic Python for Financial Analysis | 18 September 2026

Ethiraj College for Women, Chennai | Department of Commerce Hons

- Conducted a hands-on workshop for B.Com (Hons.) students, connecting real-world finance concepts and industry applications with practical Python exercises.

Guest Speaker - Student Founder | March 2026

Vels Institute of Science, Technology and Advanced Studies (VISTAS)

- Spoke about the challenges of 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, India | 2023 - 2027 (Expected)

- Academic focus: Computer Science Engineering, Artificial Intelligence and Data Science, software engineering, product development, applied AI systems, and full-stack development.

Praveen Uttarardh (Hindi)

Dakshina Bharat Hindi Prachar Sabha | May 2015 - August 2021

- Grade: Second Class
- Relevant skills: Communication, public speaking, language teaching, and translation.

CERTIFICATIONS AND LANGUAGES

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

Languages: English, Tamil, Hindi