

RAHUL DHILEEP KUMAR

Product Engineer | Executive Director | Academic CV

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ACADEMIC PROFILE

Final-year Computer Science Engineering student specializing in Artificial Intelligence and Data Science, with applied experience in software engineering, scientific workflow systems, sports technology, and product R&D. Founder of Track My Academy and Executive Director at TrackMy Tech Pvt Ltd. Builds and deploys software informed by real operational needs, with interests in applied AI, data analytics, human-centered product design, and hardware-software integration.

Graduate study interests: Computer Science, Product Engineering, Applied AI, Data Analytics, Sports Technology and Analytics. Intended intake: Fall 2027.

EDUCATION

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

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

Praveen Uttarardh (Hindi)

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

TECHNICAL SKILLS

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

Web and mobile: React, Next.js, React Native, Node.js, FastAPI, Express.js, REST APIs, Socket.io

Data and AI tools: MongoDB, Supabase, Firebase, Redis, OpenCV, Ollama; PostgreSQL exposure

Cloud and tools: AWS EC2, Microsoft Azure, Vercel, Nginx, PM2, GitHub, Sentry, Razorpay

Engineering: SaaS architecture, multi-tenant systems, role-based access, dashboards, scientific workflows

PRODUCT ENGINEERING EXPERIENCE

Executive Director | TrackMy Tech Pvt Ltd

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

- Lead product direction, technology strategy, architecture, and execution planning across sports-tech, edtech, SaaS platforms, and AI-assisted systems.
- Oversee 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

- Built a live SaaS platform used by approximately 50 sports academies and 2000 players, owning product architecture, backend APIs, database models, dashboards, and deployment.
- Developed attendance, fees, coach/player management, analytics, and reporting workflows using React, FastAPI, and MongoDB; implemented multi-tenant access, authentication, and Razorpay payments.
- Independently built the complete Android and iOS applications and released both to production.
- Iterated workflows with academy owners and coaches; managed AWS EC2 and Vercel deployment, notifications, and operational dashboards.

AI and Product Development Lead | BioBrigade - BioPipeline

March 2026 - Present | www.biopipeline.online

- Worked with the founding team to turn a plant molecular docking workflow into a SaaS product using Next.js, TypeScript, and Supabase.
- Designed system architecture and backend flows for compound upload/selection, docking execution, molecular interaction output viewing, and result management.

Technical Operations Manager | CP Sports

November 2023 - Present | Chennai, India

- Progressed from football coaching to technical operations; built the organization's first website and internal academy/event tools, supporting coach coordination, branch operations, and parent communication.

APPLIED RESEARCH AND ENGINEERING PROJECTS

Smart Football R&D System | Product Designer / R&D Lead

Bootstrapped sports technology project | December 2024 - December 2025

- Designed a low-cost smart football concept, exploring sensor/component selection, internal placement, ball balance, and pressure/bladder design alongside prototype testing.
- Planned mobile dashboards and sports-data analytics; paused development due to funding constraints after prototype testing and technical learning.

Local Coding Agent | Offline AI Coding Assistant

Electron, React, Ollama, Monaco editor

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

Veeran Tournament Engine | Tournament Operations Platform

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

- Designed product flows and app-state handling for tournament discovery, registrations, administration, media/content management, and AI photo features while working with CP Sports.

Pager System | Real-Time Developer Alerts

- Built an internal error and notification system for Track My Academy development, designing architecture, APIs, and alert flows to support error visibility and debugging.

IDEA Lab Inventory Management Software

- Built an institutional inventory application using React, TypeScript, Vite, Supabase, and TanStack Query, with structured data workflows and operational screens.

AWARDS, INVITED TALKS AND TEACHING

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 in a competitive hackathon.

Chief Guest - AURORA '26 Valedictory Ceremony | 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. Conducted a hands-on workshop for B.Com (Hons.) students connecting real-world finance concepts and industry applications with Python exercises.

Guest Speaker - Student Founder | VISTAS | March 2026

Spoke about the challenges of building a product from scratch and the realities of the SaaS industry and market.

LEADERSHIP AND COMMUNITY

Full Stack Developer - Volunteer | Paradox, IIT Madras

November 2024 - February 2025

Contributed responsive event website templates, registration workflows, issue fixes, and production readiness.

Student Director | Unstop | October 2024 - February 2025

Promoted student events and coordinated participation in competitions, workshops, and engagement campaigns.

Secretary | VISTAS Coding Club | November 2023 - January 2024

Coordinated technical activities, student projects, workshops, and coding events.

CERTIFICATIONS AND LANGUAGES

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

Languages: English, Tamil, Hindi