

PRANAV RAO K

FULL-STACK DEVELOPER · ML ENGINEER · UI/UX DESIGNER

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SUMMARY

Highly driven Computer Science Engineering student at MS Ramaiah University with hands-on expertise in full-stack web development, cross-platform mobile apps, and applied machine learning. Experienced in building production-ready AI-powered applications across HealthTech, AgriTech FinTech, and EdTech domains. Passionate about translating complex technical ideas into impactful, user-centric products that solve real problems for underserved communities.

KEY COMPETENCIES

- Languages: Python, TypeScript, Dart, SQL, Java
 - Frameworks: Next.js, React, Flutter, FastAPI, Flask
 - AI / ML: YOLO, TensorFlow, PyTorch, Scikit-Learn
 - Databases: PostgreSQL, Supabase, Firebase, REST APIs
 - Tools: Git/GitHub, Vercel, Docker, Android Studio, Figma
 - Design & APIs: UI/UX Design, Gemini API, Claude API
 - Concepts: AI Agents, Automation Pipelines, Blockchain, Web3, Smart Contracts
 - Soft Skills: Leadership, Problem Solving Under Pressure, Technical Communication
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PROJECTS

Mentora – AI Career Mentoring Platform | [GitHub](#) | Flutter · API · Supabase

- Addressed the challenge of limited access to quality career guidance for millions of students across India due to high consultation costs and geographic limitations.
- Developed an AI-powered 24/7 career mentor generating personalized learning roadmaps, delivering instant resume analysis via Gemini API, and tracking progress through gamification - making expert guidance free and accessible.

NutriGo - AI Powered Packaged Food Scanner | [GitHub](#) | Full-Stack · YOLO · FastAPI

- Developed NutriGo, an AI-powered packaged food front-label scanner using YOLO and FastAPI to provide instant nutritional analysis, health scoring, harmful additive flagging, and personalized dietary recommendations.
- Eliminated reliance on misleading front-of-pack marketing by enabling camera-based food intelligence. No barcode, no manual entry, just a scan.

These projects represent end-to-end, production-ready applications addressing real-world challenges. Explore 10+ more projects on github.com/pranavraok

EDUCATION

Bachelor of Engineering – Computer Science Engineering (Present) **2024 - 2028**

M.S. Ramaiah University of Applied Sciences, Bengaluru

CGPA : 9.02

EXPERIENCE

Machine Learning Intern | FoxTradingSolutions **March 2025 - April 2025**

- Built and evaluated supervised ML models using Python, Pandas & Scikit-Learn on real-world trading datasets, improving financial signal prediction accuracy to 93%.
 - Designed end-to-end data preprocessing and model evaluation pipelines, ensuring reproducible, production-ready outputs.
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ACHIEVEMENTS

Hackathons and Competitions

- **Hack&Verse 2026 - Google Developers Group · 1st Runner Up** **February 2026**
Project: NutriGo - AI Powered Packaged Food Scanner
 - **Hack Space 2025 - Generative AI Track · 1st Place** **January 2026**
Project: Mentora - Cross-Platform Mentorship Ecosystem
 - **Trikaya HackToHire · Top 10 / 4000+ Teams** **December 2025**
3-stage competition: Ideation - Build - Live Pitch Showcase at Radisson Blu
 - **Hult Prize Hackathon · 1st Place** **November 2025**
Recognized by judges for exceptional problem-solving and solution impact
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CERTIFICATIONS

- Google Certified App Development Certification
- TuteDude Certified Blockchain Certification