



KEN PATRICK GARCIA

FULL-STACK DEVELOPER | ASPIRING AI/ML ENGINEER

CONTACT

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TECHNICAL SKILLS

- AI/ML
 - TensorFlow • Scikit-learn •
 - Computer Vision • NLP •
 - Recommendation Systems •
 - Predictive Analytics
- Frontend
 - React.js • React Native •
 - Flutter • TypeScript •
 - TailwindCSS
- Backend
 - Node.js • Python • Kotlin •
 - PostgreSQL • Firebase •
 - Supabase • RESTful APIs
- DevOps
 - AWS • Docker • Kubernetes
 - GitHub Actions • CI/CD



PROFILE

Full-Stack Developer with 2+ years building scalable applications. Award-winning developer: 1st Place InfotechnoLympics 2025, Top 10 DOST-TAPI, Best Paper 8th Research Congress. Passionate about AI/ML innovation with expertise in recommendation systems, computer vision, and predictive analytics.



EDUCATION

- University of Makati** May 2026
BS Computer Science - Application Development
Makati City, Philippines
- Technological Institute of the Philippines (Manila)** 2020 - 2021
College (Bachelor of Science in Computer Science)
363 Pascual Casal St., Quiapo, 1001 Manila



WORK EXPERIENCE

- Romega Solutions - Full-Stack Developer** Oct 2025 - Present
Remote, Part-Time
 - Built dating mobile app with React Native, TypeScript, Supabase, real-time messaging (Socket.io)
 - Developed email signature generator using Astro with CI/CD pipelines (GitHub Actions, Docker)
 - Optimized PostgreSQL schemas for scalability and efficient data retrieval
- Romega Solutions - Web Developer Intern** July - Oct 2025
Remote
 - Achieved 99% Performance, 100% SEO on Lighthouse with sub-3s load times
 - Implemented code splitting, lazy loading, image compression for optimal performance
- COMELEC - Technical Support Staff** Feb - May 2025
Makati, Contract
 - Provided technical support for Vote Counting Machines during national elections (6+ precincts)
- Concentrix - Customer Service Representative** Feb - Sep 2024
 - Maintained 95%+ satisfaction rating, top 10% performance, reduced handle time by 15%

CERTIFICATIONS

- AI/ML:
 - AI Engineering Path (Scrimba), AI Fundamentals (IBM), Modern AI (CISCO), Python for Data Science (IBM)
- Development:
 - Full Stack Path (Scrimba), Frontend Career Path (Scrimba), Learn React (Scrimba)
- Cloud & DevOps:
 - AWS Cloud Practitioner (Amazon), Introduction to Docker (DataCamp), IoT (CISCO), Cybersecurity (CISCO)
- Programming:
 - Introduction to Python (DataCamp), Intro to SQL (Scrimba)

LANGUAGES

- English: Fluent
- Filipino: Native

INTERESTS

- Combat Sports: Boxing, Brazilian Jiu-Jitsu
- Competitive Coding: Hackathons, Programming Competitions
- Outdoor Activities: Motorcycle Riding, Running
- Continuous Learning: Exploring new technologies, Problem-solving challenges

KEY PROJECTS

- Pacebeats - Hybrid ML Music Recommendation System** 2025
Developed hybrid recommendation engine combining rule-based and content-based filtering for personalized music suggestions. Integrated IoT sensors to process real-time user activity data. Implemented continuous learning algorithm that adapts recommendations based on user behavior and feedback.
- HerbaLens - Computer Vision Plant Recognition System** 2025
Contributed to AI-powered medicinal plant identification system with high classification accuracy across multiple plant species. Conducted extensive data collection and preprocessing for training dataset. Implemented CNN architecture using TensorFlow for image recognition.
- CampusCare - AI Mental Health Support Platform** 2024-2025
Architected AI-driven emotional insights system using NLP and sentiment analysis. Engineered ML models for predictive mental health risk assessment. Implemented secure real-time counseling support with end-to-end encryption and privacy compliance.
- ARS - Auto Repair Service** 2025
Engineered mobile application connecting vehicle owners with mechanics featuring real-time booking and tracking. Developed predictive maintenance system using machine learning to forecast repair needs from historical data. Designed scalable Firebase backend architecture with optimized response times.

AWARDS AND LEADERSHIP

- 1st Place Runner-Up - InfotechnoLympics 2025** 2025
University of Makati (Pacebeats Project)
- Top 10 Finalist - DOST-TAPI Regional Invention Contest** 2025
National Capital Region (HerbaLens Project, 53 entries)
- Best Paper Presentation - 8th Research Congress** 2025
University of Makati (ARS Project)
- UMak Computer Society** Aug 2023 - May 2025
Technical Committee Member
 - Managed audio-visual infrastructure for major campus events serving 1,000+ attendees per event