

KEN PATRICK GARCIA

FULL-STACK DEVELOPER | ASPIRING AI/ML ENGINEER



CONTACT

📞 09917934774

✉ kenpatrickgarcia123@gmail.com

📍 073 Aglipay St.
Mandaluyong City

🌐 <https://kenbuilds.tech>

🌐 www.linkedin.com/in/kenpatrick-garcia

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