

Cariño, Antonio Miguel R.

AI Engineer & Backend Developer

0960-872-2694 • antoncarino.work@gmail.com • <https://www.linkedin.com/in/antoncarino/>

27 Capoas Brgy Masambong, Quezon City, Philippines

PROFILE

Antonio Miguel R. Cariño has a strong foundation in computer science and programming, with proven expertise in applying technical skills to solve practical challenges. He is proficient in a range of programming languages, frameworks, and libraries, specializing in machine learning, data analysis, and back-end development. His experience includes implementing innovative solutions, optimizing workflows, and delivering results-driven projects in diverse IT environments.

EXPERIENCE

Freelance AI & Backend Developer

Thought Bubble Journaling App (Nov 2024 – Apr 2025)

- Developed an AI journaling app that analyzes users' emotional tone from entries.
- Integrated RoBERTa-based sentiment/emotion model with encrypted Supabase storage.
- Built a feedback loop to improve sentiment accuracy over time.

FSL Interpreter App (Apr 2025 – Present)

- Created a real-time Filipino Sign Language interpreter app using MediaPipe and CNNs. Achieved 95% accuracy in alphanumeric gesture prediction (A-Z, 0–9).
- Led development using Jira and Scrum for efficient coordination.

Psoriasis Detector App (Apr 2025 – Present)

- Built an AI system to classify psoriasis severity from images (86.64% accuracy).
- Automated model retraining and deployment via Azure; hosted model on Hugging Face.
- Led development using Jira and Scrum for efficient coordination.

EduPlay (Oct 2023 - Dec 2023)

- Engineered backend for a gamified school management system (Grades 1–3).
- Built secure RESTful APIs for assessments, notifications, and progress tracking.

Freelance Data Scientist

- Developed a machine learning model for a smart lamp system designed to support users with insomnia by detecting their sleep state. Achieved 97% prediction accuracy.
- Automated company detail extraction from 10K records with 85% accuracy using NLP + pattern recognition.
- Explored ML-based solutions for breast cancer detection using medical datasets.

SKILLS

Technical Skills:

- Programming Languages: Python, JavaScript, PHP, Java, C#, C++, SQL, HTML, CSS
- Web Development: FastAPI, Express.js, Node.js, REST APIs, JWT Authentication, Supabase
- Databases: MongoDB, PostgreSQL, Supabase Storage
- Cloud & Deployment: Azure ML, Hugging Face Spaces
- Tools: Git, GitHub, VS Code, Google Colab, JIRA
- Machine Learning & AI: TensorFlow, scikit-learn, MediaPipe, RoBERTa, EfficientNet, Hugging Face
- Data Analysis & Visualization: Power BI, Tableau

Soft Skills:

- Problem-Solving: Proven ability to apply machine learning and backend development to address real-world challenges, such as sleep monitoring and skin condition analysis.
- Team Collaboration: Successfully collaborated on cross-functional projects using Agile and Scrum methodologies via JIRA.
- Communication: Clearly communicated technical solutions and project updates to non-technical peers and collaborators during academic and freelance projects.
- Time Management: Effectively managed multiple freelance and academic projects simultaneously, delivering quality results under strict deadlines.
- Adaptability: Quickly adapted to evolving tools, frameworks, and coding environments to deliver AI-driven and backend solutions.

EDUCATIONAL BACKGROUND

CIIT College of Arts and Technology

BS Computer Science

2020 - Present

94 Kamuning Rd, Brgy. Kamuning, Quezon City

University of the East

BS Computer Science

2019 - 2020

2219 C.M. Recto Ave, Sampaloc, Manila