

Neil Artus

neil.c.artus@gmail.com | 09611249491

Genral Trias, Cavite 4107

Experience

MediSeen 2024

Full Stack Developer

- Led a team using PyTorch to develop an AI-powered healthcare web application; provided prescription support with 92% accuracy
- Engineered robust backend systems using Flask with Nginx; decreased response latency by 50% and maintained 97% server uptime
- Developed responsive front-end features for mobile devices; increased system usability by 15%
- Updated security features using Flask; prevented DDoS attacks

Hackathons 2025

Backend Developer

- Coordinated with a 5-member scrum team using FastAPI to develop an async web application; delivered a minimum viable product in 3 days
- Adopted a microservice architecture to foster collaboration; enhanced team synergy by leveraging individual skills
- Created comprehensive unit tests using Python to ensure code quality; streamlined the development process and reduced software bugs by 35%

Skills

Languages: Python, Javascript, SQL

Frameworks: Flask, FastAPI, Pandas, Numpy, Tensorflow, Torch, OpenCV, Scikit-Learn, Matplotlib

Dev Tools: Bash CLI, Git, Docker, Anaconda, NGINX, Tmux, Linux

Soft Skills: problem solving, adaptability, collaboration, effective communication

Completed Projects

Neural Networks from Scratch

- Built fundamental machine learning algorithms from scratch using NumPy; matched the accuracy of existing Python AI frameworks
- Trained the neural networks from scratch using real-world datasets; established meaningful correlations that provided actionable data

Web Crawlers and Image Processing

- Developed a web crawler that bypasses captcha and API rate limits using Python and OpenCV; used scraped data to build multiple datasets with over 1.3 million entries to train neural networks

Image Processing Scripts

- Wrote image processing scripts using Python and OpenCV; created and augmented a dataset of 1.3 million images for training neural networks

COVID-19 EDA

- Cleaned and visualized 4 million entries of COVID-19 cases in the Philippines using Jupyter; provided insightful epidemiological data

Education

De La Salle University - Dasmariñas

Bachelor of Science in Computer Science with Specialization in Intelligent Systems

- **Consistent Dean's Lister** (2022-2026)
- **Relevant Coursework:** Machine Learning, Neural Networks, Data Science, Python, Databases, API Development, Human-Computer Interaction
- **Extra-Curriculars:** Junior Officer for Business Affairs - Computer Science Program Council (2024-2025)