**Neil Artus**

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**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)