

KOKO JAMGOTCHIAN

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PROFESSIONAL SUMMARY

Goal-oriented with hands-on experience in data modeling, machine learning, computer vision, and algorithm development using Python, TensorFlow, Keras, OpenCV, and C++. Currently pursuing a B.S. in Computer Science with a Mathematics minor, building advanced skills in systems programming, data structures, and ethical AI.

SKILLS

Programming Languages: Python | C++ | C | Java | JavaScript | Assembly
Web Technologies: HTML5 | CSS
Data & Tools: Git | GitHub | Linux | ESP8266/IoT hardware | static site hosting
AI/ML Tools & Frameworks: TensorFlow | Keras | OpenCV | NumPy | Pandas | Scikit-learn | Matplotlib | CNNs | Model Evaluation

WORK EXPERIENCE

Jewelry Store Assistant | Gary’s Jewelry — Aleppo, Syria 2015 – 2019

- Set up jewelry displays and kept the store tidy to make it look nice and help customers find what they need easily.
- Checked inventory and restocked items to keep shelves full and avoid running out of products.
- Handled purchases accurately and carefully, suggested matching items to customers, and followed safety rules in the store.

Pharmacy Cashier | Penyamin Pharmacy — Aleppo, Syria 2016 – 2017

- Entered prescription details into the system, coordinating with patients to ensure timely medication pickup and refill requests.
- Handled insurance verification and labeled prescriptions correctly to support safe and smooth pharmacy workflow.
- Restocked shelves, maintained store cleanliness, and supported front-end operations to keep products accessible and organized.

PROJECT EXPERIENCE

QR-Doorbell | IoT - Personal Project

Tools Used: ESP8266 (Wemos D1 Mini), Arduino (C++), Python, HTML/CSS/JavaScript, GitHub Pages

- Developed a QR-code-triggered smart doorbell enabling HTTP-based activation through a static web interface, demonstrating embedded systems and full-stack integration using Arduino, Python, and web technologies.

Automated 2048 Game Bot | AI/Automation – Personal

Tools Used: Python, Selenium, Web Automation

- Developed a Python-based bot that plays the 2048 game autonomously using Selenium for browser control, simulating human input to optimize high scores through efficient tile-merging logic and automation techniques.

Modern Calculator UI | Frontend Development – Web App

Tools Used: HTML, CSS, JavaScript

- Built a mobile-friendly calculator with scientific and basic operations, dark/light themes, and history tracking, showcasing UI/UX design and frontend programming with JavaScript and CSS Grid.

Brain Tumor MRI Classification | Machine Learning – Computer Vision

Tools Used: Python, TensorFlow, Keras, OpenCV

- Trained a CNN model to classify brain tumors from MRI images with high accuracy, applying preprocessing, cross-validation, and visualization techniques using TensorFlow and OpenCV.

Will you be my Valentine | Creative Coding – Web Animation Project

Tools Used: HTML, CSS, JavaScript

- Developed an interactive animated webpage to demonstrate creative coding concepts, combining storytelling and web animations using JavaScript and styled components.

EDUCATION

Bachelor of Science in Computer Science (Minor: Mathematics) Expected: Jun 2026
California State University, Northridge – Northridge, CA (GPA: 4.00)

Associate of Science in Computer Science (Minor: Mathematics) 2024
Glendale Community College – Glendale, CA (GPA: 3.600)

Coursework: Data Structures & Algorithms | Assembly Language & Computer Architecture (CS/IS 165, 166) | Object-Oriented Programming in Java and C++ | Discrete Structures & Boolean Logic

CERTIFICATIONS & TRAINING

Coursera 2025
Supervised Machine Learning: Regression and Classification | Advanced Learning Algorithms | Unsupervised Learning, Recommenders, Reinforcement Learning

Sololearn 2024
ML for Beginners | Introduction to Programming Using HTML and CSS | Introduction to Programming Using Python | Python Developer | Python Intermediate | Introduction to Programming Using Python

CodyTech 2024
Introduction to Python | C++ Beginner Challenges | HTML Fundamentals

LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

IDEAS Scholar | AI LA May 2025 – Present
Student Volunteer | MESA Program Jan 2024 – Present
Basketball Team Captain | Journey Experience 2013 – Present

LANGUAGE PROFICIENCY

Arabic – Native | Armenian – Native | English – Fluent | Turkish – Fluent | French – Basic