



Christos Ntais

AI Engineer

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[Linkedin](#), [Github](#)

Skills

Programming Languages:
Python, Java, JavaScript
(React)

ML & Deep Learning:
PyTorch, TensorFlow

MLOps & Deployment:
Docker, FastAPI, Git

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Docker, FastAPI

Problem Solving

SQL

Data & Cloud: SQL, AWS (S3, ECS)

Languages

Greek

English

German

Profile

Computer Engineering & Informatics graduate (University of Patras, 2025) with hands-on ML experience and a strong software foundation. Built and evaluated emotion classification models for artworks and delivered a user-facing web app end-to-end. Internship experience in agile product teams (Digipath EE), code reviews, and UI/UX improvements. Proficient in Python (PyTorch, TensorFlow), keen on Computer Vision and LLM applications.

Employment History

Software Developer (Intern), Digipath EE, Patras

February 2024 — June 2024

Contributed to front-end development and internal tooling, focusing on code quality and usability within an agile environment. Collaborated with design and product teams to refine UI/UX and improve accessibility. Participated in code reviews and implemented responsive design principles to ensure a polished, release-ready product.

Education

Computer Engineering & Informatics Department, University of Patras

October 2019 — April 2025

Thesis — ArtEmotionalPalette-AI:

- **Dataset:** ~17.2k labeled samples from 1,040 color triplets (Kobayashi, 1991), augmented with SMOTETomek, with color-extraction via **K-Means** (3 dominant colors).
- **Models & Results:** Best **MLP 95.44%** test accuracy (**SVM 94.48%**, **RF 87.82%**), validated with **stratified k-fold** and tuned with grid and random search, with an **auto-sklearn** SVC baseline around **91%**.
- **Productization:** Shipped a web app that takes an **upload** 'runs color extraction' returns **emotion prediction**(FastAPI, scikit-learn, React).

Courses

Google Project Management: Foundations, Coursera

April 2025 — May 2025

IBM Data Science Certificate , Coursera

January 2024 — February 2024

Machine Learning A - Z , Udemy

March 2023 — May 2023

Personal Projects

Web-Project-Final-Version

February 2022 — October 2023

Built a PHP/JavaScript/SQL platform for sharing and validating supermarket offers with a points system to boost engagement. [GitHub](#)

IBM-Data-Science-Assignments

October 2023 — January 2024

Curated, reproducible Jupyter notebooks demonstrating data wrangling (pandas), SQL queries, exploratory analysis, visualization, and supervised ML with scikit-learn—completed as part of the IBM Data Science Professional Certificate. [GitHub](#)

Additional

Military Service: Completed compulsory service, Lamia, Greece

November 2024 — August 2025