

# Exarchos Theodoros

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## EDUCATION

**National and Kapodistrian University of Athens (NKUA)**  
BSc in Informatics and Telecommunications

Athens, Greece  
Expected Graduation: 2026

## WORK EXPERIENCE

**Lab Assistant at DIT, NKUA**

2025–Present

- Delivered laboratory sessions for *Introduction to Programming (C)* for first-year students.
- Supported students with debugging, core CS fundamentals, and structured problem solving.

**Freelance Web Development**

2025–Present

- Acquired and managed clients end-to-end: requirements, implementation, delivery, and iterations.
- Built static, responsive websites. Clean structure and mobile-first layouts.

**Additional Experience: Seasonal Hospitality (Waiter)**

2022–2025

High-volume summer venues: Nikos Pita Club (Syvota 2023–2025), Pachis Beach Bar (Thassos 2022).

## SELECTED PROJECTS

- Network File System (NFS) — C client/server file system over TCP sockets with command-driven sync operations (LIST/PULL/PUSH) and a multi-worker manager for concurrency.
- FileSync System (FSS) — C file synchronization service with manager/worker architecture, task queuing, and directory change tracking via `inotify` for incremental updates.
- Neural-LSH — Python/PyTorch pipeline that trains a model and builds an ANN index for approximate nearest-neighbor search using locality-sensitive hashing.
- Nearest Neighbors — C++ approximate nearest-neighbor toolkit implementing multiple methods (LSH, Hypercube, IVF variants) with CLI configuration and evaluation metrics (e.g., recall/QPS).

## SKILLS

**Programming Languages:** C, C++, Python, Assembly

**Systems & Operating Environments:** Linux (POSIX), Process/Thread Management, File System

**Web Technologies:** HTML, CSS, JavaScript, Django (Backend)

**Data & Tools:** MySQL, MATLAB

**Software Tools:** Git/GitHub, LaTeX

**Languages:** Greek (native), English (fluent)

## AWARDS

- Winner of Cassini Hackathon 2025 (Greece).
- Winner of Gen AI Summit Hackathon 2025.