

MIHAIL CHARILAOU

STUDENT

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SUMMARY

Engineering student with practical experience in AI systems, robotics, and embedded technologies. Skilled in Python, C++, data analysis, and real-time applications. Demonstrates strong teamwork, leadership, and communication abilities through both technical and customer-oriented roles. Brings a proactive mindset and passion for innovation in interdisciplinary environments.

EDUCATION

UNIVERSITY OF NICOSIA (UNIC)

Bachelor of Science, Computer Science

NICOSIA, CYPRUS
SEP.2023–JIN. 2028

- Relevant courses: Artificial Intelligence, Data Structures, Software Engineering, and etc.
- KEY PROJECTS:
 - AUTONOMOUS DRONE SWARM “LIKE BEES” (ARDUINO-BASED, ~50 DRONES)
 - OFFLINE AI ASSISTANT WITH FACIAL AND VOICE RECOGNITION
- STUDENT ID: U234N0186
- President of the Robotics and Innovation Technology Club
- CURRENT GPA: 3.0–3.6 / 4.0
- WORKING ON A THESIS: “DESIGN OF AN OFFLINE ARTIFICIAL INTELLIGENCE ARCHITECTURE INTEGRATING MEMORY, EMOTIONAL SIMULATION, AND SELF-AWARENESS”
- SECONDARY PROJECT: “DEVELOPMENT OF A PARALLEL HYBRID ION PROPULSION SYSTEM”

PROFESSIONAL EXPERIENCE

Oneix Ltd (Personal Portfolio & Web Development Projects)

NICOSIA, CYPRUS

Full-Stack Web Developer

FEB. 2024 – PRESENT

- Designed and developed a personal portfolio website — oneix.ltd — showcasing AI, robotics, and software projects, with modern responsive design and SEO optimization.
- Built custom front-end using HTML5, CSS3, JavaScript, and React, integrating dynamic sections, animations, and structured data for Google Search visibility.
- Deployed and managed website hosting, DNS configuration, and SSL certificates, ensuring continuous uptime and performance optimization.
- Integrated analytics, contact forms, and automated content updates through lightweight server-side scripts. Created branded UI components, consistent typography, and color schemes reflecting a unified personal brand identity.
- Maintained and regularly updated project documentation on GitHub Pages, connecting web presence to technical repositories and public demos.

Robotics Club (University of Nicosia)

NICOSIA, CYPRUS

President & Lead Engineer

Sep 2023 – May

2024

- Founded and led a student robotics team developing autonomous drones and AI-driven delivery systems.
- Supervised hardware and software integration for hybrid VTOL drone prototypes.
- Organized workshops and mentoring sessions on Python, C++, and embedded systems for club members.
- Represented the team in local tech events and hackathons, preparing technical documentation, financial models, and investor pitch decks.

SKILLS

- Interpersonal
Self-Learning | Problem-Solving | Multitasking | Adaptability | Critical Thinking | Team Collaboration
- Expertise
Software Development | **AI Engineering** | Embedded Systems | Computer Vision | Face & Voice Recognition | Full-Stack Engineering | Data Processing & Analysis
- Tools
Visual Studio Code | MSYS2 | MinGW | Git | Python | C++ | Rust | Arduino | OpenCV | dlib | SFML | SDL2 | React | Node.js | Linux
- Languages
| Russian (Native) | English (B2 – Upper-Intermediate) | Greek (Native)

EXTRACURRICULAR OR CERTIFICATIONS OR HOBBIES OR INTERESTS

Projects & Extracurricular Activities

- **Facial & Voice Recognition System** – Developed a Python-based system using **dlib** and **OpenCV** for automatic ID assignment, image capture, and database integration.
- **Offline AI Voice Assistant (“Jarvis”)** – Created a self-learning offline voice assistant capable of recognizing users and executing local commands.
- **“Like Bees” Autonomous Drone Swarm** – Led the design and programming of ~50 autonomous drones based on **Arduino**, coordinating multi-agent communication and pathfinding algorithms.
- **NeoSwarm / Vector Initiative** – Founded and led R&D efforts for autonomous drone logistics and firefighting systems in Cyprus, including hardware prototypes and AI control software.

Interests

Artificial Intelligence | Embedded Systems | Neural Networks | Cybernetics | Machine Learning | Robotics | Aerospace Engineering

Hobbies

Engineering | Astronomy | Astrophysics | Diving | Skydiving | Sci-Fi (The Expanse, Star Wars)