CRISTIANA-SILVIA BAZÎRU

student

ABOUT ME

A highly motivated and hardworking individual, seeking to further develop a passion for technology. Currently in the third year of undergraduate studies at the Technical University of Cluj-Napoca. I am analytical by nature, with a methodical approach to work and a desire to learn and develop personal skills within a professional framework.

PERSONAL INFORMATION

Date of Birth
24-05-2002

Nationality
România

CONTACT DETAILS

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Jud Cluj,
oras Cluj-Napoca

EDUCATION AND TRAINING

- TECHNICAL UNIVERSITY OF CLUJ-NAPOCA (2021-PRESENT)
  - Faculty of Electronics, Telecommunications, and Information Technology
  - Specialization: Technologies and Telecommunication Systems
- DEPARTMENT OF SPECIALIZATION WITH PSYCHOPEDAGOGICAL PROFILE (2021-PRESENT)
- "MIHAIL KOGĂLNICEANU" NATIONAL COLLEGE, GALAȚI (2017-2021)
  - Profile: Mathematics and Computer Science

PROFESSIONAL EXPERIENCE

(2022-2023)

- Programming Mentor at MindHub Coding School, Cluj-Napoca

PERSONAL SKILLS

EXCELLENT COMMUNICATION SKILLS:

- Acquired through volunteering experience at the NGO "Tinerii si Viitorul" in Galați (2018-2020) and involvement in the Euroscola CNMK project (2019).

ORGANIZATIONAL/MANAGERIAL SKILLS:

- Organized the photography exhibition "Lost Sailboat. Sunset Is Near" at the House of Trade Unions Cultural Center in Galați (2020).
- Coordinated the summer camp at MindHub.

COMPUTER SKILLS:

- Proficient in Microsoft Office tools and familiar with web technologies such as HTML, CSS, and Javascript.
- Understanding of programming languages: C/C++, Python, Java.
- Knowledge of database management and queries.
- Obtained a professional competence certificate in the intensive informatics specialization within mathematics and computer science.

PROJECTS

- RC Circuits for Low-Pass and High-Pass Filters in MATLAB: The graphical interface displays plots for magnitude, phase, and logarithmic representation. Calculates the cutoff frequency and pulsatile values based on user-input resistance and capacitor values.
- Traffic Light Controller in Vivado (VHDL):Sensors detect vehicles and control the color changes of the traffic lights. Interaction with sensors and color transitions is managed by a counter.
- Greenhouse Temperature Control System (Simulated in Orcad):A sensor measures the temperature and converts it into a voltage variation.The comparator and electromagnetic relay control the heating system to maintain the temperature within the specified range.
- Voltage-to-Frequency Converter in the Audio Domain (Ltspice, Proteus): The circuit utilizes an operational amplifier in both inverting and non-inverting modes, along with a switch, integrator, and Trigger-Schmitt components.The electronic assembly is powered by Adalm2000 and the Scopy platform.Adding a speaker allows simulation of an ambulance siren.

CERTIFICATE

- Webcase: Start rapid în UI/UX Design
- Golt: Maraton QA Testing(2024)
- freeCodeCamp: Responsive Web Design(in prezent)
- Golt: Maraton de HTML+CSS(2023)
- Google Career Certificates: Bazele marketingului digital(2022)
- Oracle: Database Foundations(2021)
- Cisco Networking Academy: IT Essentials(2019)