



DUMITRIU DENIS-GABRIEL

Computer Science Bachelor's student, developer and tutor eager to develop technical skills and grow professionally.

PROJECTS



FOOD FINDER (ANDROID APP) - [DOWNLOAD LINK](#)

- Published on Google Play Store: Native Kotlin application developed in Android Studio.
- Utilizes Google Maps API and Firebase Realtime Database to track and display the live status of local dining venues in real-time.



RED HOOD RPG (JAVA DESKTOP GAME)

- Built a complex 2D platformer using Java Swing and Multithreading, implementing advanced OOP principles and Design Patterns (Factory).
- Integrated SQLite via JDBC for a persistent save/load system to manage game state and global leaderboards.



AI HAND GESTURE TRACKER (COMPUTER VISION)

- Developed a real-time system using Python, OpenCV, and MediaPipe to track dual hand landmarks and perform kinematic analysis (joint angles).
- Implemented custom algorithms based on geometric logic and distance to recognize gestures (Peace, Rock, OK) and detect pinch interactions.



CINEMA RESERVATION SYSTEM (JAVA CLIENT-SERVER)

- Engineered a distributed application using Java Sockets (TCP) and Multithreading to manage concurrent reservations with real-time synchronization across multiple clients.
- Implemented MVC and Observer design patterns for modular architecture and integrated Gmail SMTP for automated booking confirmations.



WORK EXPERIENCE

Service Desk Agent (Internship) | SCC Group Iasi, Romania

Dec 2025 - Mar 2026 (3 months)

- Provided technical support and troubleshooting for enterprise systems, ensuring high service availability.
- Developed strong communication skills and understanding of corporate operating environments.
- Diagnosed software and hardware issues, collaborating with specialized teams for resolution.



Private Programming Tutor | Freelance | Iasi, Romania 2024 - Present

- Mentored high school students in Computer Science (C++, Algorithms), preparing them for exams.
- Explained complex OOP concepts and data structures in an accessible manner.
- Developed personalized learning plans to improve students' logical thinking and coding skills.



CERTIFICATES



ORACLE CLOUD INFRASTRUCTURE (2025)

- OCI Foundations Associate
- OCI AI Foundations Associate
- Data Platform Foundations Associate



ORACLE ACADEMY & DEVELOPMENT

- Database Design and Programming with SQL
- Java Foundations
- Database Programming with SQL



EDUCATION



Student at "Gheorghe Asachi" Technical University of Iasi | 2023 - Present

Field of study: Computer Science and Information Technology (3rd Year)



High School of Informatics "Grigore Moisil" | Iasi Mathematics-Computer Science | 2019 - 2023

- Baccalaureate Grades: Mathematics (9.70), Informatics (9.70), Romanian (8.40).
- Certificate of Professional Competence: Certified in software product design, database implementation, and web development (Client-oriented software).
- Gained skills in configuring and modifying software applications to adapt client information systems.

CONTACT

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- [Portfolio Website](#)
- [GitHub](#)
- [LinkedIn](#)

SKILLS

- Languages:** C/C++/C#, Java, Kotlin, Python, SQL, Assembly
- Technologies:** Android SDK, React, Unity Engine, Firebase, Java Swing
- Tools:** Git/GitHub, Oracle SQL Dev, IntelliJ, VS Code
- Concepts:** OOP, Data Structures & Algorithms, Multithreading, REST API Integration
- Soft Skills:** Troubleshooting, Communication, Mentoring, Microsoft Office

LINGUISTIC COMPETENCES

Romanian	Native
English	Excellent