Jelena Mitić

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EDUCATION

University of Belgrade – School of Electrical Engineering 2023 – Present
BSc in Software Engineering Belgrade
GPA: 9.22 / 10.00
Selected for the Special Programming Group in Programming 2, focusing on advanced algorithms and data structures through competitive programming tasks.

Gymnasium 'Bora Stankovic' 2019 – 2023
Specialized Computing & Informatics Program Vranje, Serbia
GPA: 5.00 / 5.00

PROJECTS

Air Traffic Simulation 2025
Developed a Java GUI application simulating flight operations between airports using an MVC architecture. Implemented multithreading and real-time animation for aircraft movement with robust error handling and user interaction logic. **(Java AWT, GUI)**

Command-Line Interpreter 2024
Designed a modular shell-like system for executing commands with pipelines and redirection. Applied OOP principles for extensibility and improved maintainability. **(C++)**

B*-Tree Indexing & Search Optimization 2024
Built an efficient B*-Tree database indexing system achieving significant speedups in record retrieval. Focused on dynamic node splitting and balanced memory usage. **(C++)**

Sudoku Solver 2024
Implemented a self-solving Sudoku program using tree structures and recursive backtracking with constraint propagation. **(C)**

HACKATHONS

Izazov Hackathon | RedBlackTree 2025
3rd place
Built a Serbian language GenAI tourist bot leveraging real-world datasets. Team project focused on LLM prompt engineering and dataset preprocessing.

SKILLS

Programming — C/C++, Java, Python, MySQL

Skills — Object-Oriented Programming, Algorithms & Data Structures, Problem Solving, Git, REST APIs

Soft Skills — Analytical Thinking, Teamwork, Adaptability

LANGUAGES

English — C1 – Cambridge Advanced (Grade B) • **Serbian** — Native

OTHER EXPERIENCE

Petnica Science Center — Electronics Seminar Participant 2022 – 2023
Engaged in independent research projects and practical applications of electronics and programming concepts through experimental and applied work.