

PROFESSIONAL EXPERIENCE

	Software Engineer	at Robert Bosch Engineering Center
	<ul style="list-style-type: none">➡ Built and rolled out an AI Code Reviewer for our codebase; reduced manual review overhead and accelerated delivery for developers.➡ Contributed in Generative AI for Software Development communities (20% time); advocated GitHub Copilot and agentic workflows.	
2022 – Present	<ul style="list-style-type: none">➡ Delivered features across the web stack: Angular (frontend), C#/.NET APIs, MongoDB.➡ TesseractHub accelerator: validated and implemented a new automotive safety function; led an innovation initiative in my department.➡ Completed the Hugging Face Agents Course; built a local-LLM agent with Qwen-32B using LangGraph and LlamaIndex to tackle complex domain questions.➡ Published “Introduction to RAG Systems” in Today’s Software Magazine (TSM); open-sourced an end-to-end RAG implementation in Python (see GitHub).➡ Agile, cross-functional development for safety-critical automotive software in a multinational team.	

EDUCATION

	Bachelor’s degree, Computer Science	at University of Bucharest
	<ul style="list-style-type: none">➡ Focus: OOP, Data Structures Algorithms, AI, Deep Learning, OS, Web.➡ Built hands-on products blending robotics (Arduino), CAD (Fusion 360), and software; entrepreneurial, user-focused mindset.➡ Thesis: Augmented Reality multiplayer strategy game (Unity, C#).	
	Bachelor’s degree, Orthodox Theology	at University of Bucharest
2019	<ul style="list-style-type: none">➡ Bachelor’s degree in patrology with grade 9.25 out of 10.➡ The faculty helped me deepen my knowledge about the Orthodox Christian philosophy and to enrich my perspective on the reality.	

SELECTED PROJECTS

- ➡ [End-to-end RAG System \(Python\)](#): Local **RAG** pipeline (**LM Studio** + **FAISS**): ingestion, chunking, retrieval, re-ranking, and evaluation.
- ➡ [AI Code Reviewer \(internal, Bosch\)](#): LLM-assisted static reviews with repository context; reduced review time and flagged risky changes early.
- ➡ [Local LLM Agent \(LangGraph & LlamaIndex\)](#): **Qwen-32B** running locally; tool-augmented reasoning to answer complex domain questions (Hugging Face Agents Course).
- ➡ [Arduino Matrix Game](#): Retro Bomberman console, dual controllers; designed in **Fusion 360, 3D printed**.
- ➡ [Self-balancing Arduino Motorbike](#): PID-stabilized, radio-controlled motorcycle; designed in **Fusion 360, 3D printed**.
- ➡ [CT Image Classification \(Kaggle\)](#): Pulmonary CT vessels; SVM, CNN, **ResNeXt101-32x8d** + FC head; **74.29%** vs required **39.38%**.
- ➡ [Data Structures in C++](#): Templated headers: List, AVL tree, etc.

SKILLS

AI/ML	:	LLMs	RAG	LangChain/LangGraph	Prompting
		PyTorch	Vector DBs		
Backend & Infra	:	C#/.NET	Python	Docker	Git
Frontend	:	Angular	TypeScript	HTML/CSS	
Core CS	:	OOP	Data Structures	Design Patterns	
Tools	:	Unity	Fusion360 (CAD)	Arduino	LaTeX
Languages	:	Romanian: native	English: working proficiency		