

Tudor Grădinaru

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EDUCATION

Alexandru Ioan Cuza University Iași, Romania
Bachelor of Science in Computer Science *Graduated: 2025*
Relevant Coursework: Web Technologies, Software Engineering, Computer Networks, Algorithm Design, Object-Oriented Programming

TECHNICAL SKILLS

Frontend: React.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, Chart.js, Framer Motion, ShadCN UI
Backend: Node.js, Express.js, REST APIs, Socket.io, JWT Authentication, bcrypt
Databases: MySQL, MongoDB, SQLite, Sequelize ORM
Tools & Technologies: Git, Vite, Webpack, Axios, Zustand, Context API, AI Integration (Groq SDK, Google Generative AI)
Concepts: Full-Stack Development, Responsive Design, Performance Optimization, Real-time Applications, Accessibility

PROJECTS

CalendarIQ — AI-Powered Calendar (*Bachelor Thesis*) *Feb 2025 - Jul 2025*
github.com/TudorGR/licenta-project

- Developed intelligent calendar app with AI-powered NLP achieving 84% accuracy in natural language command processing
- Integrated Google Generative AI and Groq APIs with voice recognition supporting 5+ languages
- Built secure JWT authentication system with conflict detection algorithms for seamless scheduling
- Engineered responsive UI with 3 view modes, supporting 1000+ events per user with optimized performance
- Implemented smart analytics and pattern recognition for personalized scheduling recommendations
- *Stack:* React 19, Node.js, Express.js, MySQL, Tailwind CSS 4, Chart.js, Sequelize, JWT

Cartify — Modern E-commerce Frontend *Aug 2024 - Oct 2024*
cartify-neon.vercel.app [GitHub](#)

- Built 20+ reusable React components and 11 user-facing pages with professional development patterns
- Optimized performance with lazy loading and code splitting, reducing bundle size by 60% (227KB final bundle)
- Achieved 90+ Lighthouse performance score and 100% accessibility compliance with semantic HTML
- Implemented responsive design with 3 breakpoints, dark/light mode toggle, and smooth animations
- *Stack:* React, TypeScript, Tailwind CSS, Context API, Framer Motion, Vite

TawkTalk — Real-time Chat Application *Dec 2024 - Feb 2025*
tawktalk.onrender.com [GitHub](#)

- Developed full-stack real-time chat app supporting 25+ concurrent users with <100ms message latency
- Built 12+ modular React components with secure JWT authentication and Zustand state management
- Created 10 REST API endpoints with file upload/download capabilities and multimedia support
- Delivered 100% responsive design across 5+ screen sizes with group chat and direct messaging features
- *Stack:* React, Node.js, Express, Socket.io, MongoDB, Tailwind CSS, ShadCN UI

Educational Programming Platform *May 2024 - Jul 2024*
github.com/TudorGR/Proiect-Tehnologii-Web

- Designed comprehensive learning platform with 3 distinct user roles and normalized SQLite schema (8+ tables)
- Implemented role-based access control supporting 100+ concurrent users with optimized database queries
- Created problem management system with automatic evaluation, class management, and homework submission workflows
- *Stack:* Node.js, JavaScript, HTML/CSS, SQLite, REST APIs

CERTIFICATIONS

Meta Front-End Developer Professional Certificate — Coursera	2025
Object-Oriented Programming in Python — Duke University	2025
JavaScript Algorithms and Data Structures — freeCodeCamp	2023
Responsive Web Design — freeCodeCamp	2023

LANGUAGES

Romanian: Native **English:** Professional Working Proficiency