

Doğuş Köksal

doguskoksl@gmail.com | doguskoksal.com | github.com/AscensusRisus | linkedin.com/in/dogus-koksal

Education

Trakya University – Associate of Science in Computer Programming

2026

- Graduated with a 3.61/4.00 GPA

Experience

Software Developer Intern, SecHard – Remote

Jan 2026 – Jun 2026

- Developed and maintained full-stack features across a cybersecurity platform using Angular, TypeScript, Node.js, PrimeNG, MongoDB, and REST APIs
- Improved reporting and data workflows by extending PDF and CSV outputs, refining interactive tables, and updating reusable application components
- Maintained and validated security-hardening recipes across operating systems, network devices, databases, and infrastructure products while resolving structural and execution issues
- Executed 500+ Windows hardening checks, diagnosed failures in Docker-based environments, and built a Python-based local RAG chatbot demo for platform guidance

Projects

Multimodal Safety Chatbot for Individuals with Autism

Sept 2025 – Present

- Led end-to-end development of a multimodal AI system designed to support communication practice for autistic individuals in a safer, family-supervised digital environment
- Built an emotion-analysis pipeline combining facial-expression recognition, RoBERTa-based sentiment analysis, and voice features including pitch and stress to interpret conversational context
- Integrated a locally hosted Ollama chatbot with periodic visual analysis and a safety-scoring system that evaluates multimodal signals, conversation content, and potential interaction risks

Activities

YetGen Participant, Yetkin Gençler – Remote

Aug 2023 – Nov 2023

- Completed a 12-week development program covering technology literacy, teamwork, presentation, career planning, social innovation, and entrepreneurship
- Developed an impact-oriented initiative through the GirişGen ideathon process aligned with the UN Sustainable Development Goals

Skills

Languages: Python, TypeScript, JavaScript, SQL

Web and Infrastructure: Angular, Node.js, PrimeNG, REST APIs, Docker, Git, MongoDB

Applied AI: Multimodal AI, RAG, Ollama, RoBERTa, Computer Vision, Sentiment Analysis, Speech Analysis