

# Erdem Önal

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## Education

**Université Jean Monnet & École des Mines de Saint-Étienne**, Saint-Étienne, France Sept 2025 – Present

Master's in Computer Science

Track: Cyber-Physical and Social Systems: Artificial Intelligence and Internet of Things

**Mälardalen University (Erasmus+)**, Västerås, Sweden Sept 2024 – Jan 2025

Bachelor's degree in Computer Science

Cumulative GPA: 3.80/4.00

Completed three graduate courses as an undergraduate: Industrial Systems in Cloud Computing (DVA500),

Software Verification and Validation (CDT414), Safety Critical Systems Engineering (DVA437)

**Işık University**, İstanbul, Turkey Sept 2021 – July 2025

Bachelor's degree in Computer Science Engineering

GPA: 3.2/4.0 (Cum Laude)

## Experience

**Research Intern**, Mälardalen University – Västerås, Sweden Oct 2024 – Jan 2025

- Developed a database tool for the nuScenes dataset within the Heterogeneous Systems Research Group, enabling structured data management by integrating annotation files into a PostgreSQL infrastructure
- Designed and deployed containerized Python pipelines for processing autonomous driving datasets, supporting scalable AI model training workflows

**Full-Stack Developer Intern**, Etiya – İstanbul, Türkiye July 2024 – Aug 2024

- Built a React.js browser extension for the Türk Telekom OMNI project and developed an Agile project tracker using Java Spring Boot

## Languages

**Turkish:** Native | **English:** C1 Advanced proficiency | **French:** A1 Basic proficiency

## Certifications

Mathematics for Machine Learning Specialization, Python for Data Science, AI & Development