# KONSTANTINOS **CHRISTOFORIDIS**

Electrical and Computer Engineer | Data Scientist | ML Engineer

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Versatile Electrical & Computer Engineer specializing in Machine Learning and Data Science, with experience in smart metering operations, data analytics, building analytical pipelines, automating reporting workflows, and developing predictive models for operational and engineering applications. I combine multidisciplinary engineering knowledge with strong problem-solving skills and a commitment to continuous learning. I bring a balanced mix of analytical depth, software competency, and practical engineering experience. Strong problem-solving abilities and passionate about applying advanced analytics and engineering principles to build reliable, scalable, and intelligent solutions. Proactive learner with a keen interest in emerging technologies and industry best practices. Seeking opportunities to contribute to innovative AI development projects and collaborate with motivated teams.

## Professional Competencies and Industry Tools

- **Electrical Engineering:** Quality Control, Quality Assurance, Electrical and Mechanical Designing, Technical Drawing, Green Energy, CAD, SolidWorks, MathWorks

- **Programming Languages:** Python, R      Familiar with: C/C++/Java
- **Databases:** MySQL, PostgreSQL, PL/SQL
- **Web Development/Frameworks:** HTML/CSS, Django, React.js, Bootstrap
- **Software/Platforms:** GitHub, AWS, Conda
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn (specialized in complex charts), Plotly (specialized in interactivity), SciPy (scientific & technical computing), XGBoost, LightGBM (gradient-boosting) Scikit-learn (specialized in ML), PyTorch (neural networks), Tensorflow-Keras-Theano (production level DL), NLP, NLTK, spaCY, Gensim (natural language processing)
- **Industry Skills:** Data Analysis, Statistics, Software Development, Smart Metering, Database Management, Data Science, Data Engineering, Computer Engineering, Network Administration

## Work History

**2025-02 - Current**

### Project Service Engineer
*Protasis SA, Athens, Greece*

- Operated smart-metering systems across GR/CY/JO, managing 1M+ networked devices and achieving over 98% daily data-quality KPI accuracy and validation
- Automated reports and built dashboards using Excel, SQL, Python, AWS, and Tableau
- Produced documentation and guides for system workflows and user support
- Collaborated with clients and vendors to resolve system issues and align technical requirements
- Analyzed metering data to detect trends and recommend operational improvements

**2024-01 - 2024-10**

### Information Technology Staff
*Greek Army, Kozani, Greece*

- Assisted the maintenance and management of the Greek Military computer network.
- Oversaw and executed IT operations and customer service duties
- Hardware resource management and allocation
- Active Directory, Windows Server, FileZilla (FTP)
- Computer Maintenance

## Education

**2017 - 2023**

### Master in Engineering: Electrical and Computer Engineering *(5 years)*
*University Of Thessaly - Volos, Greece*

**Thesis**: "Deep Learning based Prediction in Multivariate Time Series" *(grade 10/10)*
**Grade**: 7,61/10
**Specialization:** Data Science

## Certifications

Training and Upskilling:

**AI-driven Data Analysis (Advanced Level)** (01/2026)
Reatcode-Workearly, Data Analysis | Athens, Greece (remote)
Digital Badge Unique ID: 2fc30c92-d279-4a07-a5b9-d51dbcb93dde

**Transition to Circular Economy** (01/2026)

GlobalCert Awarding Organization, Energy Sector | Athens, Greece (remote)

**AI Data Science Summer School** (01/2026)
Reatcode-Workearly, Data Science | Athens, Greece (remote)
Digital Badge Unique ID: 9581d81d-ad3c-4050-bed5-888b20605a42

**Data Analyst Bootcamp** (06/2025)
Reatcode-Workearly, Data Analysis | Kozani, Greece (remote)

<u>Microlearning (100+)</u>:

**Data Science (+54)**, SoloLearn (2023 - 2026)
**SQL Essentials (+7),** Workearly (2025)
**MATLAB (+2)**, MathWorks (01/2026)
**Project Management (+10)**, Public Group (09/2025)
**Information Security Management System (+13)**, Protasis SA (09/2025)
**Project Management (+10)**, Public Group (09/2025)
**Front-end for Beginners**, Google (09/2023)
**Self-development (+2),** Udemy (2020-2021)

## Honors and Awards

**NASA International Space Apps** (by NASA's Earth Science Division), **1st Placement** (Oct 2019) - *Volos, Greece*

**Member of Technical Chamber of Greece** (since 2023)

## Soft Skills

Empathy and kindness

Teamwork and collaboration

Fast learner
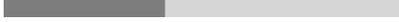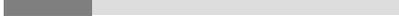
Flexibility/Adaptability

Self-motivated

Work ethic

"Can do" attitude

Ability to work under pressure

Critical thinking

## Languages

English
Fluent

Greek
Native

German (B1)
Basic

Spanish
Beginner