Savvas Chanlaridis, PhD

AI & Data Science | Astrophysics Research

schanlar.github.io | LinkedIn | GitHub | Google Scholar

PROFILE

I work on AI engineering, data science, and technology consulting, including LLM applications, agentic workflows, statistical evaluation, and data platform assessments. My astrophysics research covers stellar evolution, supernovae, neutron stars, and numerical modelling.

EXPERIENCE

Senior Consultant, Technology Consulting | EY

Mar 2026 — Present

Applied AI systems, platform assessment, technical research, and enterprise Data & AI architecture.

Data Scientist | Kivos Analytics

Jan 2025 — Feb 2026

LLM prototypes, product taxonomy and attribute extraction, probabilistic forecasting evaluation, and retail machine learning.

Scientific research | FORTH

Mar 2021 — Dec 2024

Computational astrophysics, numerical stellar modelling, and peer-reviewed research.

Academic research | Aristotle University of Thessaloniki

Nov 2019 — Mar 2021

Research in theoretical and computational astrophysics.

Academic teaching and research | University of Bonn

Jul 2018 — Nov 2019

Astrophysics research and university-level teaching.

SELECTED INDUSTRY WORK

• Led design, development, and subsequent code review coordination for a modular financial document extraction and normalization workflow.

• Designed and built custom GitHub Copilot agents for ground-truth curation and extraction-code optimization.

• Developed an LLM-driven retail product classification and attribute extraction proof of concept, including taxonomy and evaluation design.

• Developed a demand-conditioned CRPS reference methodology for contextualizing probabilistic retail forecast evaluation.

• Contributed to Databricks-oriented platform assessment, proof-of-concept activities, and AI-assisted architecture blueprint generation.

EDUCATION

MSc in Data Science & Machine Learning | Hellenic Open University (2026)

PhD in Astrophysics | University of Crete (2024)

MSc in Astrophysics | University of Bonn (2019)

BSc in Physics | Aristotle University of Thessaloniki (2016)

TECHNICAL SKILLS

Programming and scientific computing: Python, C, NumPy, SciPy, Pandas.

Machine learning: scikit-learn, TensorFlow, XGBoost.

Generative and agentic AI: LLMs, OpenAI API, Azure OpenAI, LangChain, GitHub Copilot agents.

Cloud, data and development: Databricks, Azure AI, Microsoft Fabric, SQL, dbt, Git, Docker.

Scientific modelling: MESA, numerical simulations, HPC.

SCIENTIFIC RESEARCH

Doctoral research on numerical modelling of neutron-star formation and evolution, stellar evolution, supernova progenitors, and compact objects. First-author papers in Astronomy & Astrophysics (2022, 2025), with additional co-authored research and European Pulsar Timing Array collaborations.

Publications: schanlar.github.io/publications/ | Dissertation: official repository record