

# MUBERRA SAHIN

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## PROFESSIONAL EXPERIENCE

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### Palo Verde Generating Station

Arizona, USA

Business Intelligence / Data Visualization Developer

2021 – Present

- Dashboards & reports — Power BI; SAP BusinessObjects (WebI/Universe); stakeholder KPIs; operations; leadership
- SQL — complex queries; joins; window functions; stored procedures; performance tuning
- ETL & integration — SSIS; Informatica; Oracle GoldenGate; Microsoft ETL tools; scheduling; monitoring
- Semantic layer — BusinessObjects Universe design; certified datasets; data lineage; documentation
- Data operations — Oracle; SQL Server; data migration; maintenance; QA/data quality; reliability
- Stakeholder enablement — requirements; ad-hoc analysis; testing; deployment support
- Training — videos; tutorials; presentations; workshops; user guides; reporting guidelines

## EDUCATION

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### Mastering Applied Data Science — Machine Learning & Artificial Intelligence Bootcamp

Certificate

2025

- Instructed by Zafer Acar (zacar@mtu.edu)
- 500 hours training

### Introduction to Astronomy Workshop (Unix, Python, GitHub)

Caltech (Pasadena, CA)

Workshop

2025

- Completed an intensive eight-week online workshop developing skills in Unix command-line, Python programming, astronomical data visualization, and managing software projects with Git/GitHub.

### University of South Florida

Tampa, FL

M.A.

### Boğaziçi Üniversitesi

Istanbul, Türkiye

B.A.

## TECHNICAL SKILLS

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- **Databases & SQL:** Oracle; SQL Server; complex queries; optimization; performance tuning
- **ETL & Integration:** SSIS; Informatica; Oracle GoldenGate; Microsoft ETL tools; data migration; replication
- **Visualization:** Power BI; SAP BusinessObjects (WebI/Universe)
- **Semantic Layer & Modeling:** BO Universe design; certified datasets; lineage; documentation
- **Data Operations:** maintenance; QA/data quality; monitoring; reliability

## MACHINE LEARNING & ARTIFICIAL INTELLIGENCE

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- **Core:** Statistics; Python; Exploratory Data Analysis; Data Visualization & Information Analysis; Feature Engineering
- **Machine Learning:** Supervised; Unsupervised; Reinforcement Learning; Regression; Classification; Clustering; Anomaly Detection; metrics to evaluate predictions
- **Artificial Intelligence:** Natural Language Processing; Recommendation Systems; Computer Vision; Deep Learning (ANN; DNN; CNN; RNN; GAN; LSTM); Social Network Analysis; Automated Computer Vision
- **Advanced/Platforms:** AutoML; GIS; Quantum Machine Learning (QML); Transfer Learning; Transformers; Large Language Models (LLMs); MLOps

## TRAINING / ENABLEMENT

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- **Prepared training:** videos; tutorials; presentations; workshops
- **Authored materials:** new tool manuals; guidelines; report user guidelines