

ARTIFICIAL INTELLIGENCE TECHNOLOGY CAPABILITIES, LLC

AI | DATA | SOFTWARE | TRAINING | ADVISORY

COMPANY OVERVIEW

Artificial Intelligence Technology Capabilities, LLC is a Maryland small business providing focused artificial intelligence, data, software, training, and advisory services. Engagements are structured around defined deliverables, milestone reviews, transparent documentation, and knowledge transfer.

CORE COMPETENCIES

- AI and machine-learning prototypes
- Predictive modeling and model evaluation
- Responsible AI, explainability, and fairness testing
- Data engineering, SQL, ETL, and data-quality workflows
- Dashboards, analytics, and decision-support reporting
- Python automation and API development
- Cloud-ready application and data architecture
- AI, machine-learning, data, and Python training

DELIVERY APPROACH

1. Define mission need, data boundaries, and success measures.
2. Deliver a focused prototype, assessment, course, or workflow.
3. Validate results through testing, documentation, and stakeholder review.
4. Transfer code, technical records, and operating knowledge.

DIFFERENTIATORS

- Key-personnel experience supporting DHS S&T data-science work
- Applied AI/ML delivery across sensor data, NLP, forecasting, and analytics
- Responsible-AI methods built into model review and documentation
- Instructor-level ability to transfer technical knowledge
- Small-team accountability with direct access to technical leadership

MELAT DEMOZ
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COMPANY DATA

SAM.gov	Active registration
Business type	Small Business Maryland LLC
Purpose	All Awards
UEI	NDQ1GCBKE9J7
CAGE	25AR4
Location	Silver Spring, Maryland

NAICS CODES

541511 Custom Computer Programming
541512 Computer Systems Design
541513 Computer Facilities Management
541519 Other Computer Related Services
541611 Administrative Management Consulting
541618 Other Management Consulting
518210 Computing Infrastructure and Data Processing
611420 Computer Training

KEY PERSONNEL

Zemen Ghelaw - AI/ML Engineer and Data Scientist
PhD candidate in Artificial Intelligence
M.S. in Data Science, AI/ML, and Business Analytics
Experience in DHS S&T data science, production ML, responsible AI, cloud deployment, analytics, and technical instruction.

TARGET ENGAGEMENTS

Focused assessments, prototypes, analytics workflows, dashboards, automation, technical documentation, and instructor-led training. Available for prime work within demonstrated capacity and for subcontracting or teaming opportunities.