Capabilities Statement

Vif AI LLC
AI & Computer Vision Consultancy
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Core Competencies

- AI solutions / ML model development for aviation, defense, and infrastructure
- Computer vision for screening, surveillance, and remote sensing (EO/IR, X-ray, LiDAR)
- TSA Open Architecture–compliant algorithm design
- Generative AI workflows for visual tech, synthetic data and document streamlining
- AI lifecycle support: data workflows, prototyping, evaluation, deployment

Differentiators

- Advised TSA's Open Architecture program on AI/ML integration
- Designed CV models for DHS, DoD, and commercial partners
- Delivered scalable AI for 3D reconstruction and green house gas emissions detection
- Deep technical expertise with proven federal and enterprise impact

Past Performance

- U.S. Department of Homeland Security (TSA, FEMA, Headquarters): AI project discovery, screening models, satellite imagery analytics
- Baker Hughes / GE: Emissions detection CV systems, infrastructure inspection, pipeline integrity
- Thermo Fisher: Nano-robot CV for chip fabrication QC
- Wolfram Research: Architected image processing for Mathematica computing software system

Company Information

UEI: RYY5E9WBUSL7
CAGE: 11Z67
NAICS: 541511, 541512, 541513, 541519, 541611, 541715
Clearance: Secret; High Risk Public Trust

Set Aside: Small Business