

## **KNet Consulting**

### **Empowering Cybersecurity, AI, and Emerging Technologies**

#### **A Division of *Kalsnet* Technologies**

#### **About Us**

With over 35 years of federal government experience, KNet (Kalsnet Technologies) delivers trusted consulting in Cybersecurity, Artificial Intelligence, Machine Learning, and Emerging Technologies. Led by a seasoned Computer Scientist and former DISA expert, we provide innovative, mission-ready solutions tailored for both public and private sector needs.

#### **Our Core Strengths**

- Cybersecurity Solutions
- Threat detection and mitigation using AI and graph databases
- Zero Trust architecture design and simulation
- Command-and-Control (C2) attack simulation and defense
- Secure API integration and validation
- **AI & Machine Learning**
- Custom ML models for threat detection, anomaly detection, and real estate price prediction
- Development of AI Agents using LangChain and OpenAI
- Intelligent document processing and chatbot integration
- **Full-Stack Application Development**
- GUI-based Python and Java applications
- Secure web application deployment using Flask, Bootstrap, and REST APIs
- Custom file management, PDF/Excel handling, and visual dashboards
- **Government & Defense Experience**
- 35+ years at DISA and other DoD agencies
- DRP (Deferred Resignation Program) and OPM-certified
- Deep understanding of federal policies, NIST frameworks, and compliance standards

## **Sample Projects & Solutions**

### **- Unified Cyber Threat Detection System**

GUI and web-based platform integrating AI agents, graph databases, and ML detection for real-time threat analysis.

### **- AI-Powered Weather and Real Estate Agents**

LangChain-based intelligent systems that analyze user prompts, location, and context to deliver **smart forecasts and pricing**.

### **- Command & Control Simulation Engine**

Java/Python-based system demonstrating real-world cyber threats and countermeasure simulations.

### **- Secure File Manager Application**

GUI-based solution that reads, compares, exports, and queries PDF, Excel, ARFF, and Word files, integrated with document vectorization and Q&A capabilities.

## **Leadership & Vision**

### **Mr. Randeep Singh (Randy), Founder of KNet Consulting**

- Former DISA Computer Scientist with DRP clearance
- Adjunct Professor with 25+ years of teaching Computer Science
- Mentor, Innovator, and Trusted Advisor in Government Technology

## **Services We Offer**

- Contract-based consulting and solution design
- Government contracting (including M/WBE/SBA registration support)
- Application prototyping and deployment
- Training, mentorship, and custom workshop offerings

## **Contact Us**

KNet Consulting (KNet Technologies)

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<https://kalsr.github.io/KNet/>

Location: Washington DC Metro Area

Available for demos, consulting, and strategic partnerships