



QUANTUMGUARD, INC.

Post-Quantum Cybersecurity • Sovereign Compute • Zero-Knowledge Architecture

Arhum Ahmed, Founder & CEO

aahmed@qguard.net

+1 (310) 880-2365

16189 Chadwick Ct, Chino Hills, CA 91709

www.qguard.net

Small Disadvantaged Business (SDB)

Minority-Owned Business

8(a) Certification Pending

SAM.gov Registered

CORE COMPETENCIES

QuantumGuard delivers NIST FIPS 203/204-compliant post-quantum security for federal and state agencies, purpose-built against harvest-now-decrypt-later threats.

- ▶ Post-Quantum Encryption: ML-KEM-1024 + ML-DSA-87
- ▶ Zero-Knowledge Architecture — client-side key management
- ▶ Immutable Audit Logs with cryptographic hash chaining
- ▶ RBAC, SSO/SAML, MFA with Biometric Login
- ▶ Quantum Entropy-Seeded Key Generation (Cicada QRNG)
- ▶ FedRAMP Tailored Authorization in process
- ▶ Sovereign Compute: QwantOS hardened OS
- ▶ Post-Quantum Migration Consulting & Readiness Assessments

PAST PERFORMANCE / TRACTION

- ▶ Emergent Ventures Grant — Mercatus Center/GMU
- ▶ QVault: full gov-ready control set deployed at 6 months
- ▶ SBIR Phase I submitted — NSF & DHS solicitations identified
- ▶ 8(a) certification pending; All-Small Mentor-Protégé eligible

DIFFERENTIATORS

- ▶ Only post-quantum encrypted vault with biometric MFA at our price point
- ▶ Zero-knowledge design: vendor breach exposes zero plaintext data
- ▶ Government-ready in 6 months, 8 federal security controls deployed
- ▶ Quantum entropy seeding, stronger randomness than any classical competitor
- ▶ FIPS 203/204 compliant today, before most vendors have a roadmap

COMPANY DATA

QuantumGuard, Inc. is a minority-owned (Asian-Pakistani), Small Disadvantaged Business providing post-quantum cybersecurity software and services. Founded February 2026 in Chino Hills, CA..

PERTINENT CODES

NAICS Codes

541512	Computer Systems Design
541519	Other Computer Related Services
541715	R&D — Physical & Engineering Sciences
518210	Computing Infrastructure & Web Hosting
561621	Security Systems Services

PSC Codes

AC21	National Defense R&D — Basic Research
AC22	National Defense R&D — Applied Research
R425	Professional: Engineering/Technical
R499	Professional: Other