

ZUHAIR S A SAFI

Electrical Engineering & Solar Systems Specialist | Creative Media Entrepreneur

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PROFESSIONAL SUMMARY

Highly adaptable, multi-disciplinary **Electrical & Solar Energy Systems Specialist** with expertise in exact sciences and a secondary focus on Entrepreneurship. Proven track record in designing and maintaining off-grid renewable power systems under severe infrastructure constraints. Certified in Public Diplomacy with C1-level English fluency, combining technical engineering skills with youth mentorship, strategic project execution, and media production. Seeking academic and research opportunities within international mobility frameworks.

CORE COMPETENCIES

Technical & Electrical Engineering

Off-Grid Photovoltaic (PV) Systems, Charge Controllers, Inverters, Lithium/Lead-Acid Battery Assembly, Circuit Dynamics, Network Hardware.

Software & Digital Media

Frontend Web Development (HTML/CSS/JS), Dynamic System Architecture, 4K Media Production, CapCut, Digital Strategy.

Leadership & Crisis Management

Youth Empowerment, Public Diplomacy, Strategic Planning, Resource Allocation during Infrastructure Grid Collapse, Operational Security.

Languages

Arabic (Native), English (Advanced B2/C1 - Certified Professional Command).

TECHNICAL & PRACTICAL EXPERIENCE

Lead Videographer, Creative Video Editor & Content Creator

Gaza, Palestine | 2024 – Present

Independent Media Production & Digital Platforms

- Engineered resilient off-grid solar energy and battery storage systems to maintain 100% operational uptime for high-performance visual rendering during complete electrical grid failure.
- Direct end-to-end media development, corporate branding, and educational visual assets for regional clients and educational institutions.
- Grew and maintain a combined digital audience of 62,000+ followers (4K on Facebook, 58K pre-launch community on Instagram).

Youth Initiative Lead & Cultural Advocate

Gaza, Palestine | 2024 – Present

Community Engagement & Regional Outreach

- Organized and led youth empowerment workshops focused on technical resilience, media literacy, and self-sustaining micro-entrepreneurship in severe crisis environments.
- Managed decentralized volunteer networks to successfully distribute essential technology and educational resources during prolonged grid blackouts.
- Leveraged diplomacy training and local constitutional knowledge to bridge grassroots communication gaps and secure educational access for youth.

TECHNICAL PROJECTS & SOFTWARE DEVELOPMENT

Lead Systems Architect & UI Developer

04/2026 – 06/2026

Project: "The Splitfather" (Dynamic Web Application)

- Architected, developed, and optimized an automated algorithmic web application for multi-tier team sorting and balance configurations.
- Executed an agile deployment workflow through 17 sequential structural iterations (up to v17.1), optimizing backend scalability and execution speeds.

SELF-DIRECTED ENGINEERING & TECHNICAL TRAINING

Advanced Independent Academic Track - Electrical & Renewable Energy

09/2023 – Present

Self-Directed Engineering Foundations

- **Solar PV & Energy Storage Engineering:** Developed advanced expertise in design, load calculation, sizing, and troubleshooting for standalone (Off-Grid) solar systems, charge controllers, inverters, and battery banks.
- **Circuit Analysis & Electronics:** Conducted rigorous study of AC/DC circuit dynamics, power electronics, digital logic design, and high-efficiency voltage regulation under harsh environmental conditions.
- **Battery Safety Research:** Analyzed charge management protocols, cell balance, thermal behavior, and safety standards for secondary lithium-ion and lead-acid battery cells under continuous high-load stress.

EDUCATION & CREDENTIALS

Advanced Professional English Diploma (Level B2/C1)

Concluded 2026

Al-Salam Training Group

- Mastery in technical terminology, scientific presentation, operational business discourse, and academic writing.

Professional Certification in Public Diplomacy

Concluded 2025

Diplomatic Studies Framework

- Specialized training in regional constitutional law, cultural mediation, negotiation strategies, and structural crisis communication.

Secondary Education Diploma - Entrepreneurship & Business

2020 – 2023

Secondary High School

- Focus on business canvas modeling, financial accounting, microeconomics, and small-scale project management.

ADDITIONAL CERTIFICATIONS & TRACKS

First Aid, Crisis Management & Basic Forensic Science

Independent Tracks

- Field emergency medical response, operational security protocols, risk mitigation in emergency zones, and systematic evidence observation.