UMER FAROOQ SATTI

Senior Cyber Tech & R&D Engineer | AI Researcher | Cybersecurity Analyst

⚲Termez, Uzbekistan ✆: +998 911200194 ✉: umer@satti.work ⊕: https://satti.work lɪnkedɪn: https://www.linkedin.com/in/umerfarooqsatti

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PROFESSIONAL SUMMARY

Senior Cyber Tech and R&D Engineer with 9+ years of experience in high-performance

Python applications, Satellite Systems (GNSS), and Synthetic Intelligence. Proven

track record of delivering 250+ solo projects for industry leaders including Pepsi,

Siemens, and PNCA. Currently focused on designing autonomous Synthetic Biological

Intelligence (SBI) architectures while leading full-stack development and cybersecurity

initiatives. Combines deep technical expertise in Signal Processing (DSP/SDR) and

Cryptography with strong administrative and strategic management experience.

TECHNICAL SKILLS

• Core Languages: Python (Expert), C++ (Embedded), Dart, SQL, HTML/CSS, JavaScript.

• AI & Research: Synthetic Brain Architectures, TensorFlow, Neural Networks, Computer Vision, NLP.

• Specialized Systems: Radar OS, GNSS Engineering, Signal Processing (DSP/SDR), Ground Penetrating Radar (GPR).

• Cybersecurity: Penetration Testing (Kali Linux/Wireshark), Cryptography (AES/RSA), Network Security, Threat Management.

• Cloud & DevOps: Docker, AWS, Google Cloud Platform (GCP), Linux Administration, Git.

• Frameworks: Flask, Fastapi, Streamlit, Tkinter, Django, Flutter, React, Node.js, Next.js, Tailwind.

SELECTED R&D & TECHNICAL PROJECTS

Synthetic Brain (SBI) Prototype | Lead Researcher

• Conducting experimental R&D focused on designing autonomous Synthetic Biological Intelligence architectures.

• Developing neural network models to simulate cognitive processes for next-generation AI.

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S.A.T.T.I. **(System for Automated Tasks and Technical Intelligence)** | Lead Developer

• Engineered a Python-based AI voice assistant capable of executing complex technical tasks and system automation.

DEIS AI Ecosystem | Full Stack Architect

• Built an AI-integrated software for Digital Education featuring facial recognition for Teacher Attendance and NLP-based translation along with speech to text for lecture quality control.

EcoGrid AI | Full Stack Architect (Hult Prize 2026 Entry)

• Developed a sustainability-focused AI solution optimizing smart grid energy distribution and consumption with correlation of NASA Data & Open Meteo weather models.

Sentinax AI | Full Stack Architect

• Developed a platform which detects the Vulnerabilities of syntax's and all the tech stack of the system or organization.

Boost Plag | Full Stack Architect

• Developed a system which works as an anti-plagiarism software on the web with detail reporting and certificate issuances with own block chain verification.

Satellite & Radar Operations | Systems Engineer

• Managed Global Navigation Satellite Systems (GNSS) for precise tracking and data analysis.

• Conducted analysis using Ground Penetrating Radar (GPR) and managed Radar OS operations.

National Art Gallery DBMS | Database Architect

• Designed the centralized national database for the National Council of the Arts (PNCA), digitizing artist records nationwide.

PROFESSIONAL EXPERIENCE

Senior Cyber Tech & R&D Engineer

Freelance / Independent | Remote   Jan 2017 – Present

• Successfully delivered 250+ projects focused on automation, security, and digital transformation.

• Trusted by Industry Leaders: Delivered solutions for organizations including Pepsi, Siemens, Cisco, and AWS.

• Instructor: Taught Python and Cybersecurity courses, mentoring faculty and students in advanced technical skills.

Senior Full Stack Developer

TDMAU | Termez/Part-time   Oct 2025 – Present

•Lead Developer in Digital Education Implementation Center (Innovation Team).

•Architect and deploy around 5 projects including DEIS , Anti-Plagiarism, EcoGrid AI.

•Manage young programmers for Quality control.

Administrative Manager

Qazi Investments UK | Islamabad/Full-time   Dec 2022 – May 2024

• Oversaw daily administrative functions, enhancing office product.

• Managed staff supervision and development, fostering a collaborative work environment.

 • Implemented crisis management strategies, ensuring rapid resolution of issues and maintaining customer loyalty.

 • Streamlined operations management processes, contributing to significant improvements'performance.

• Coordinated office initiatives, align with goals with organizational objectives to maximize profitability.

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Digital Marketing Manager

Rising Greens | Islamabad/Part-time   Dec 2022 – Nov 2023

• Managing our all social media accounts.

• Running all Online & Offline marketing campaigns.

• Managing search Engine Optimization & Digital Strategy.

 • Using Hub Spot, Zoom info, MS office , Good Books, CRMS & DBMS.

Administrative Officer

Haideri Beveages (PEPSI) | Islamabad/Full-time   June 2022 – Nov 2022

• Managed administrative procedures, allocated resources, and assessed staff performance to ensure maximum efficiency.

• Implemented HR strategies and bridged management-employee relations.

• Plan, coordinate and manage all administrative procedures and systems.

• Allocate responsibilities and office space. Assess staff performance.

• Provide coaching and guidance to ensure maximum efficiency.

• Ensure the smooth and adequate flow of information within the company.

• Developing and implementing HR strategies and initiatives aligned with the overall business strategy.

• Bridging management and employee relations by addressing demands, grievances, or other issues. Managing the recruitment and selection process.

Administrative Officer

PNCA | Islamabad/Full-time   Dec 2021 — June 2022

• Maintained data of artists all over Pakistan for National Art Gallery on multiple events/ National level exhibitions in DBMS.

• Efficiently handle multiple tasks in the Design Department.

• Supported as a team player in updating artworks of artists all around Pakistan in softcopy.

• Showed his aesthetic and professional capabilities in arranging of artworks of exhibitions.

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Administrative Manager

Mariya Foods | Islamabad/Full-time   Jan 2022 — Nov 2021

• Responsible for the overall supervision and management of employees in very busy, fast-paced settings.

 • Develop and improve procedures to maximize productivity and customer service efforts.

Administrative Manager

Kaspas Deserts UK | Islamabad/Full-time   Jan 2019 — Jan 2020

• Managing all the sales and daily expenses records on DBMS.

• Managing staff attendance on DBMS.

• Managing store supplies records daily on DBMS.

• Making letters and quotations for the tenders.

• Managing staff salary records with their monthly leaves.

Assist Admin Manager

Multi Tech Business Systems | Islamabad/Full-time   Feb 2016 — Feb 2017

• Plan, coordinate and manage all administrative procedures and systems.

• Allocate responsibilities and office space. Assess staff performance.

• Provide coaching and guidance to ensure maximum efficiency.

• Ensure the smooth and adequate flow of information within the company.

• Developing and implementing HR strategies and initiatives aligned with the overall business strategy.

• Bridging management and employee relations by addressing demands, grievances, or other issues. Managing the recruitment and selection process

EDUCATION

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Bachelor in Business Management

Termez State University of Engineering and Agrotechnologies | Sep 2025 – Present

Associate Degree

Allama Iqbal Open University | Jan 2020 – Jan 2022

Higher Secondary School Certificate

Allama Iqbal Open University | Jan 2017 – Jan 2019

Secondary School Certificate

Islamabad Model College For Boys F-8/4 | Apr 2012 – Apr 2019

Diploma in Computer Software (DCS)

National Institute of Science & Technical Education | Apr 2017 – Feb 2018

CERTIFICATIONS

- ❖ **Five Million AI Promters** – Govt of Uzbekistan & Govt of UAE (2026)
- ❖ **AWS APAC Solutions Architecture –** Forage (2026)
- ❖ **Siemens Mobility Project Manager** - Forage (2026)
- ❖ **AI for Business Professionals** – HP Life (2025)
- ❖ **Cybersecurity Essentials** – Cisco Networking Academy (2024)
- ❖ **Cyber Threat Management** – Cisco Networking Academy (2024)
- ❖ **Introduction to Cybersecurity** – HP Life (2024)
- ❖ **Artificial Intelligence** – HP Life (2024)
- ❖ **Basic Life Support (BLS)** – CME University (2024)
- ❖ **Turkish EBRU ART Workshop** - TURKISH EMBASSY & YUNUS EMRE INSTITUTE (2019)

LANGUAGES

• English: Expert

• Urdu: Expert

• Italian: Intermediate

• Russian: Intermediate