Muhammad Saud

Date of birth: 03/03/2002 | **Nationality:** Pakistani | **Phone number:**

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EDUCATION AND TRAINING

02/09/2021 – 06/06/2025 Multan, Pakistan
BACHELORS IN COMPUTER SCIENCE Muhammad Nawaz Shareef University of Agriculture, Multan

Website https://mnsuam.edu.pk/ | **Level in EQF** EQF level 6

WORK EXPERIENCE

FULL-STACK BLOCKCHAIN DEVELOPER – MULTAN, PAKISTAN

FULL-STACK BLOCKCHAIN DEVELOPER – 08/09/2023 – 15/10/2024

- Contributed to a research project that won the provisional first prize at the ASPIRE Pakistan National Idea Bank.
- Designed and implemented smart contracts for the supply chain, focusing on modular and upgradeable proxy architectures to enhance flexibility and scalability.
- Developed and integrated interactive user interfaces for seamless interaction and data management within the blockchain system.
- Oversaw the integration of 3D metaverse features and incorporated AI-driven enhancements to improve user experience and visualization of supply chain data.

IT ZOON TECHNOLOGY – MULTAN, PAKISTAN

WEB DEVELOPER – 06/03/2023 – 06/08/2023

- Created and maintained responsive and user-friendly websites.
- Collaborated with designers to implement their designs into web interfaces.
- Developed front-end components and custom features using React.js
- Optimized website performance to enhance load times and user experience.
- Ensured cross-browser compatibility to guarantee a consistent experience across different platforms.

MEMBER – MULATN, PAKISTAN

DEBATING CLUB, MNSUAM – 05/06/2023 – CURRENT

Organized engaging debate sessions and participated in competitions, improving my public speaking skills while representing the university at various events.

MEMBER – MULTAN, PAKISTAN

ROTARACT CLUB, MNSUAM – 06/03/2023 – CURRENT

Engaged in community service projects and collaborated on event planning, developing strong networking and organizational skills.

PROJECTS

Orange Chain – AI, IoT & Blockchain-Integrated Orange Supply Chain System

- Designed and developed Orange Chain, an end-to-end intelligent system integrating AI, IoT, and blockchain to modernize and secure the orange supply chain.
- Applied AI algorithm to assess orange quality based on real-time environmental data, enabling automated decision-making and reducing manual inspection errors.

- Deployed IoT sensors for continuous tracking of GPS location and environmental conditions to ensure end-to-end visibility during transit.
- Implemented blockchain technology to securely store sensor and AI-analyzed data, ensuring traceability, data integrity, and tamper-proof records for stakeholders.
- Designed a modular architecture for scalability across other agri-products and broader smart farming systems.
- Delivered a practical, scalable solution for agricultural supply chains by combining AI, IoT, and blockchain, with direct applications in food quality tracking, logistics, and transparency.

Link https://github.com/MMSKHAN/Orange-Supply-Chain

ChipChat

- Designed and developed **ChipChat**, a decentralized messaging application powered by Web 3.0 technologies, enabling secure, private, and censorship-resistant communication.
- Leveraged blockchain and decentralized protocols to ensure end-to-end encryption, giving users complete control over their conversations and data privacy.
- Implemented smart contracts to manage user interactions, ensuring transparency, trust, and a seamless user experience within the app.
- Integrated peer-to-peer (P2P) messaging systems, eliminating the need for centralized servers and enabling direct, encrypted communication between users.

Link https://chatchip.netlify.app/

Web 3.0 Decentralized Storage Drive

- Designed and developed a cutting-edge decentralized storage drive leveraging Web 3.0 technologies, enabling users to securely store, manage, and share data on a distributed network.
- Integrated blockchain principles to ensure data integrity, privacy, and immutability, reducing reliance on centralized cloud providers and offering users complete control over their digital assets.
- Implemented encryption and decentralized file-sharing protocols to protect user data while ensuring high availability and seamless access.
- Collaborated with a team of blockchain developers to optimize the platform's performance, scalability, and security.
- Demonstrated expertise in smart contracts, decentralized applications (dApps), and the integration of IPFS (InterPlanetary File System) for efficient data storage and retrieval.
- Conducted user testing and feedback loops to refine the interface and functionality, improving the overall user experience.

Link https://storagedrive.netlify.app/

SKILLS

React Native, Flutter │ Assembly,C,C#,C++,Solidity,JavaScript,Python,HTML,CSS │ SQL, Microsoft SQL Server, MongoDB, MySQL, NoSQL, │ Git, Ms office, Canva, Figma, Photoshop │ Node.js, Bootstrap, React.js, React Three fiber, Firebase, Django, Flask, Microsoft Azure │ Blender, WebGL, Three.js

HONOURS AND AWARDS

14/01/2024
Certificate of Appreciation – Debating club of Muhammad Nawaz Shareef University of Agriculture,Multan

Awarded for exceptional performance and active participation in the inter-departmental competition, recognizing outstanding contributions and skills demonstrated during the event.

10/10/2024
Certificate of Appreciation AFS Venture Spark 2024 – Muhammad Nawaz Shareef University of Agriculture, Multan

Awarded for remarkable participation in AFS Venture Spark 2024, focusing on innovation in agriculture and food security.

VOLUNTEERING

03/09/2024 – 05/09/2024 Multan
Polio Free Pakistan Campaign

- Volunteered during a three-day Polio Free Pakistan campaign in Multan, focusing on eradicating polio through a coordinated vaccination effort.
- Actively participated in door-to-door vaccination drives, ensuring the accurate and timely administration of the polio vaccine to children in high-risk areas across the city.
- Worked closely with local healthcare teams, community leaders, and authorities to organize and execute the vaccination campaign effectively.
- Educated families and community members on the importance, safety, and benefits of the polio vaccine, helping to raise awareness and reduce vaccine hesitancy.
- Distributed educational materials to combat misinformation and promote polio prevention within the local community.
- Assisted in tracking vaccination progress and reporting results to ensure successful coverage and impact during the campaign.

Multan
South Punjab Bilingual Declamation Competition

- Coordinated and managed the logistics for a prestigious regional bilingual declamation competition, fostering a platform for students to showcase their public speaking skills in both English and Urdu.
- Assisted in organizing event schedules, ensuring smooth transitions between speakers and efficient time management.
- Collaborated with judges, participants, and other volunteers to ensure a seamless event experience.
- Provided on-site support, including participant registration, audience coordination, and event setup.
- Contributed to promoting the event through social media outreach and local community engagement, boosting attendance and awareness.
- Actively participated in troubleshooting and resolving any on-site issues, ensuring the event ran smoothly and participants had a positive experience.

LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user