

MUHAMMAD AWAIS BILAL KHAN

Peshawar, Kpk, Pakistan

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PROFESSIONAL SUMMARY

Software Engineer and Technology Entrepreneur with expertise in blockchain development, artificial intelligence, full-stack web development, and IoT systems. Founder and CEO with proven track record of delivering enterprise-grade software solutions across decentralized applications, smart contracts, and scalable web platforms. Specialized in emerging technologies including Web3, machine learning, and cloud infrastructure. Passionate about research and innovation in blockchain technology, AI applications, and decentralized systems.

PROFESSIONAL EXPERIENCE

Founder & Chief Executive Officer

Technology Solutions & Software Consulting | 2025 – Present

- Founded and lead technology company specializing in blockchain solutions, AI research, and software development
- Delivered enterprise blockchain applications using Different chains.
- Architected and deployed IoT software solutions with cloud integration and mobile applications
- Led development and delivery of enterprise blockchain applications for international clients

Blockchain Developer & Smart Contract Engineer

Freelance & Contract-Based Projects | 2023 – Present

- Developed and deployed smart contracts using Solidity, Hardhat, and Remix IDE
- Built decentralized applications (dApps) with Web3.js and IPFS for distributed storage
- Implemented Canton Network applications for secure credential and certificate management
- Designed and executed NFT marketplace infrastructure with unique tokenomics
- Conducted security audits and optimization for gas-efficient smart contract deployment

Full Stack Software Developer

Freelance & Remote Projects | 2022 – Present

- Developed responsive web applications using React.js, Next.js, and Node.js frameworks
- Implemented backend systems with Firebase, MongoDB, and PostgreSQL databases
- Created RESTful APIs and microservices architecture for scalable applications
- Designed user interfaces and user experiences using Figma and modern CSS frameworks
- Integrated third-party APIs and payment gateways for e-commerce solutions

AI & Machine Learning Researcher

Academic Research & Development | 2023 – Present

- Trained and fine-tuned machine learning models using PyTorch and TensorFlow frameworks.

- Implemented computer vision and natural language processing solutions using pre-trained models.
- Conducted experiments with neural networks and deep learning architectures.

WordPress Developer & Web Designer

Freelance Projects | 2021 – Present

- Developed custom WordPress websites using PHP, JavaScript, and CSS
- Optimized website performance, SEO, and security implementations
- Managed content management systems and client training for website maintenance

EDUCATION

Bachelor of Science in Software Engineering | CECOS University, Peshawar, Pakistan
September 2020 - October 2024

RESEARCH INTERESTS & FUTURE GOALS

Aspiring to contribute to research in:

- Blockchain Technology & Decentralized Systems
- Artificial Intelligence & Machine Learning Applications
- Smart Contract Security & Optimization
- Internet of Things & Cloud Computing
- Distributed Ledger Technologies & Consensus Mechanisms

TECHNICAL COMPETENCIES

- Blockchain Development: Solidity, Hardhat, Remix, IPFS, Canton Network
- Web Development: React.js, Next.js, Node.js, JavaScript, TypeScript, HTML, CSS
- Databases: MongoDB, PostgreSQL, Firebase
- AI & Machine Learning: PyTorch, TensorFlow, Python
- Cloud Platforms: AWS (Cloud Foundations), Firebase
- Design Tools: Figma
- Version Control: Git, GitHub

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

AWS Blockchain Node Runners For BNB Chain | Binance Academy, 2025

BlockChain Mastery | Binance Academy, ESCP Business School, April 2024

Digital Assets and Blockchain Industry | Binance Academy, Prague University of Economics & Business, April 2024

Blockchain and P2P Fundamentals | Binance Academy, European Business Institute Luxembourg, April 2024

AWS Academy Graduate - AWS Academy Cloud Foundations | AWS Academy, February 2023

Responsive Web Design | freeCodeCamp.org, August 2023

Figma for UX Design | Self-paced Learning, December 2022

LANGUAGES

- English (Professional Working Proficiency)
- Urdu (Native)
- Pashto (Native)

REFERENCES

Available upon request