# MANSOOR AHMED

*Lecturer / Visiting Faculty — Computer Science (AI, Blockchain & Cybersecurity)*

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## PROFILE

MS graduate in Computer Technology (Ocean University of China) with a peer-reviewed publication and 4+ years of classroom teaching experience across design, technology, and language instruction. Combines applied research in AI, blockchain, and IoT security with a demonstrated ability to design curricula, mentor students toward practical outcomes, and teach across English, Urdu, Sindhi, and Chinese-medium settings. Seeking a Lecturer / Visiting Faculty position to teach undergraduate courses in computer science and related fields.

## COURSES I AM QUALIFIED TO TEACH

- Artificial Intelligence & Machine Learning (Neural Networks, Fuzzy Logic, Applied ML with Python/Scikit-learn)
- Blockchain Technology & Smart Contracts (Hyperledger Fabric, Solidity, Consensus Protocols, dApps)
- Information & Network Security / Applied Cryptography (AES-GCM, ECC, SHA-256, lightweight cryptography)
- Internet of Things & Embedded Systems (Arduino, Raspberry Pi, MQTT, CoAP, Sensor Networks)
- Programming Fundamentals & Data Structures (Python, C++, JavaScript, Go)
- Web & Full-Stack Development (React.js, Angular, Node.js, HTML/CSS)
- UI/UX & Human-Computer Interaction (Figma, Adobe XD, design principles, portfolio-building)
- Introductory/Technical English Communication (grades 3–12 and general adult learners)

## TEACHING EXPERIENCE

**Part-Time English Language Trainer** *2024 – 2025*

*Scholastic English Language Center, Licang District, Qingdao*

- Taught English communication skills to grade 3–7 students using engaging, student-centered lesson plans.

**Part-Time English Language Trainer** *2024 – 2025*

*Shazikou Center, Laoshan, Qingdao*

- Delivered language instruction focused on practical communication and pronunciation, while completing full-time thesis research in parallel.

**UI/UX and Design Teacher** *2020 – 2021*

*Pixel House, Hyderabad, Pakistan*

- Trained 50+ students in UI/UX design, web development, motion design, and freelancing skills; achieved a 90% satisfaction rate.
- Built a full curriculum combining design theory with project-based implementation, and coached students on building freelance/motion-design portfolios and launching independent careers.

## EDUCATION

**Ocean University of China, Qingdao, Shandong, China** *2021 – 2026*

*Master of Science in Computer Technology — Outstanding Performance; HEC (Pakistan) Recognized Degree*

- Thesis: Resource-Constrained Devices and Security Management Using Blockchain, supervised by Prof. Dongning Jia.
- Hybrid AI-blockchain framework for IoT security: 92.0% classification accuracy, 640 TPS (PoA), 375ms latency (PBFT).

**Mehran University of Engineering & Technology, Jamshoro, Sindh, Pakistan** *2016 – 2019*

*Bachelor of Engineering in Computer Systems Engineering*

- Final Year Project: Decentralized E-Voting Using Blockchain — ranked 3rd in Batch 2018–2019 (top 10%).

## ACADEMIC & COURSE PROJECTS

- Resource-Constraint Devices and Security Management Using Blockchain — Master's thesis (2024–2025)
- Decentralized E-Voting Using Blockchain — Bachelor's final year project, 3rd position in Batch 2018–2019

- Real-Time Fire Detection Using Logistic Regression — Machine Learning course project
- IoT-Based Wireless Home Automation System — Computer Communication & Networks course project
- Remote/Sensor-Controlled Arduino Car — Microprocessor course project
- E-Commerce Website (WordPress) — Web Engineering project

## RESEARCH & PUBLICATIONS

- Ahmed, M. “The Future of Democracy: Exploring the Potential of Blockchain-Based Digital Voting Systems.” International Journal of Scientific Research in Computer Science, Engineering and Information Technology (2023). DOI: 10.32628/CSEIT2390633.
- Applied research experience in AI-blockchain hybrid systems for IoT security, including experimental design, cross-validation, and technical visualization for publication and defense.

## CERTIFICATIONS

- Adobe Illustrator Certification
- Adobe After Effects Certification
- 3-Month Training in Creative ICT & Android Programming — IndusBits Digital Design School
- Appreciation Certificate, Debate Competition — The Horizon, Home of English and Computer Network

## TECHNICAL SKILLS

- **AI & Machine Learning:** Python, Scikit-learn, MLP Neural Networks, Logistic Regression, Fuzzy Logic
- **Blockchain & Security:** Hyperledger Fabric, Solidity, Smart Contracts, PoA/PBFT, AES-GCM, ECC, SHA-256
- **Programming & Web:** JavaScript, C++, Go, React.js, Angular, Node.js
- **IoT & Design:** Arduino, Raspberry Pi, MQTT, CoAP, Figma, Adobe XD

## LANGUAGES

English: C2 (Professional working) · Urdu: C1 · Sindhi: C1 · Chinese: A2

## AFFILIATIONS

- Registered Engineer (Computer), Pakistan Engineering Council (PEC)
- Student Member, IEEE (Institute of Electrical and Electronics Engineers) — Mehran University of Engineering & Technology
- Student Member, ACM (Association for Computing Machinery) — Mehran University of Engineering & Technology
- Member, Ocean University of China Alumni Association, Qingdao
- Member, Qingdao Overseas Talent Association

## REFERENCES

Dr. Dongning Jia, Professor & Thesis Supervisor, Ocean University of China

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*Additional academic referees available upon request.*