



Hussain Ali

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ABOUT ME

Computer Science Graduate & Technology Trainer with 1+ year of experience mentoring 500+ students in Robotics, IoT, and AI. Proficient in Python, C++, Java, ESP32/Arduino, and Machine Learning. Awarded Best TechFellow of the Year (2025–26) for excellence in STEAM education.

WORK EXPERIENCE

LearnOBots - Pakistan, Islamabad

Technology Trainer

[2025/05/05 - 2026/06/30]

Main activities and responsibilities:

- **Trained and mentored 500+ students** in Robotics, Embedded Systems (Arduino, ESP32), Python Programming, Machine Learning, and Generative AI tools.
- **Engineered hands-on learning modules** focused on practical hardware integration, sensor integration, and real-world automation projects.
- **Co-developed curriculum frameworks** by integrating practical technology applications into structured STEAM learning models.

Federal Directorate of Education - Pakistan, Islamabad

Computer Teacher

[2025/05/05 - 2026/06/30]

Main activities and responsibilities:

- **Delivered structured Computer Science lessons** covering Programming Fundamentals, Web Development, and Digital Literacy to secondary-grade students.

Islamabad Model College for Boys - Pakistan, Islamabad

Short Course Instructor

[2025/06/01 - 2025/07/31]

Main activities and responsibilities:

- **Conducted short technical courses** in Robotics, IoT, Web Development, and Digital Design with a 100% focus on project-based learning.

EDUCATION & TRAINING

BS (Computer Science)

University Of Azad jammu & Kashmir, Muzaffarabad [2020/10/15 - 2024/12/15]

City: Muzaffarabad | **Country:** Pakistan

Website: <https://ajku.edu.pk>

PROJECTS

[2023/09/01 - 2024/09/10]

SlotSpot – An IoT-Enabled Android-Based E-Parking System Developed an Android application integrated with ESP32, RFID sensors, and Firebase database. Automated real-time parking slot detection, entry/exit tracking, and booking systems to enhance parking efficiency.

[2025/12/01 - 2026/02/01]

VisionRide – Assistive Smart Wheelchair Designed an AI/IoT-powered smart wheelchair featuring eye-tracking navigation and joystick controls. Integrated with a custom Android app for remote monitoring to improve accessibility and mobility for individuals with physical disabilities.

[2026/01/15 - 2026/03/15]

FlameGuard – Industrial Safety & Flame Detection System Engineered an ESP32-based industrial monitoring system providing real-time flame sensing, automated emergency alarms, and instant safety alerts.

[2026/02/15 - 2026/04/15]

AI Exam Monitoring Desk Built a smart examination monitoring device using ESP32 microcontrollers and multi-sensor integration. Connected via a wireless mobile app for real-time surveillance and automated alerts.

SKILLS

Programming & Software Skills

Artificial intelligence | Java (computer programming) | Machine learning | Python (computer programming) | Web development | C++

Technical & Hardware Skills

Troubleshooting | Circuit design | Robotics | Microcontrollers | Internet of Things (IoT) | Embedded systems

Management & Soft Skills

Classroom management | Problem solving | Communication skills | Mentoring | Training skills | Presentation skills

CERTIFICATIONS

STEAM, Computer Science & Entrepreneurship Training

LearnOBots × Institute of Space and Technology (IST)

[2025/01/01 - 2025/03/31]

Full Stack Web Development (Corvit Systems, Rawalpindi)

Completed a 3-month training covering **HTML, CSS, JavaScript, React, Node.js, Express, and MongoDB**. Gained hands-on experience in building responsive web applications from front-end to back-end.

Information Technology Specialist – JavaScript (Pearson/CERTNEXUS)

Awarded by Certiport through Pearson VUE on March 12, 2025. This certification validates proficiency in JavaScript programming, covering core concepts such as data types, functions, control flow, and DOM manipulation.

[2016/02/15 - 2017/12/31]

English Access Micro Scholarship Program (US Embassy Islamabad)

Completed a 2-year program focused on **English language skills, leadership development, cross-cultural communication, and personal growth**, sponsored by the U.S. Embassy.

Introduction to Marketing (University of Pennsylvania – Coursera)

Learned key marketing concepts including **branding, customer focus, and strategy** in a 2-month online course.

AI for Everyone (DeepLearning.AI – Coursera)

Completed a 2-month course covering **AI fundamentals, machine learning concepts, and its real-world applications**.

Introduction to Cybersecurity Tools & Cyber Attacks (IBM – Coursera)

Completed a course on **cybersecurity tools, threats, and cyber attack prevention**, focusing on real-world applications and defense strategies.

Leadership and Experiential Learning Training (TREK-VENTURE 3.0 & 4.0)

Participated in leadership training focused on **team management, problem-solving, and experiential learning** through hands-on activities and real-world challenges.

HONOURS AND AWARDS

Federal Directorate of Education (FDE)

Best TechFellow / Technology Trainer of the Year (2025–26) Awarded for outstanding delivery in STEAM & Robotics training across federal educational institutions.

LANGUAGE SKILLS

English

LISTENING: C1 READING: C1 WRITING: C1
SPOKEN PRODUCTION: B2
SPOKEN INTERACTION: B2

Urdu

LISTENING: C2 READING: C2 WRITING: C2
SPOKEN PRODUCTION: C2
SPOKEN INTERACTION: C2