

IMRAN ASHRAF

AI Researcher & Full Stack Developer

Sargodha, Punjab, Pakistan

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PROFESSIONAL OBJECTIVE

Final-year Software Engineering student with a strong academic and research foundation in Artificial Intelligence, including two accepted conference papers and two IEEE Transactions journal papers under review. Successfully defended a Final Year Project on **Self-Driving Car Simulation with Adaptive Decision-Making using Reinforcement Learning**. Skilled in Python, deep learning, and full-stack development using **Laravel and WordPress**. Currently exploring NLP, LLMs, and LangChain through academic coursework. Passionate about applying AI to real-world challenges and seeking a **hands-on internship** to further sharpen technical and research capabilities in production environments.

TECHNICAL SKILLS

- **Languages:** Python, PHP, JavaScript, SQL, HTML5, CSS3
- **Frameworks:** Laravel, WordPress, Bootstrap, jQuery
- **AI/ML:** TensorFlow, Keras, PyTorch (basic), OpenCV
- **Tools:** Git, MySQL, Postman, VS Code
- **Soft Skills:** Teamwork, Communication, Remote Collaboration
- **Specialization:** Deep Learning, NLP, Reinforcement Learning, LLMs (Intro), LangChain (Intro)

EDUCATION

BS Software Engineering

University of Lahore, Sargodha Campus (Mar 2022 – Mar 2026)

- Final Year Project: Self-Driving Car Simulation with Adaptive Decision-Making (Reinforcement Learning)
- Successfully defended; funded by VLCMatrix LAB

AI Essentials(Ongoing)

Cisco Networking Academy, VU of Pakistan (Apr 2025 – June 2025)

PROFESSIONAL EXPERIENCE

Researcher — VLCMatrix LAB (Virtual)

Remote | Jul 2023 – Present

- Conducted deep research in DL, RL, NLP, and medical imaging
- Contributed to publication-grade papers and experiments

Full-Stack Developer

Self-Employed | Sep 2024 – Present

- Built and deployed Laravel and WordPress-based applications for diverse industries.
- Delivered end-to-end development services, including design, database, and deployment.
- Integrated AI modules for predictive analytics and smart functionality.

Computer Science Teacher

British Learning Zone, Sargodha | Sep 2022 – May 2025

- Delivered curriculum-aligned lessons in Computer Science and technology.
- Organized coding workshops and teacher training for classroom tech integration.

Laravel Developer

Internee at Techndevs, Sargodha | Jun 2024 – Aug 2024

- Migrated existing projects from CodeIgniter to Laravel.
- Refactored and optimized codebase for performance and maintainability.
- Collaborated with teams to troubleshoot and deploy high-performance web solutions.

RESEARCH & PUBLICATIONS

Published

- **I. Ashraf**, T. Kehkashan, M. Zaman, A. Akhunzada, H. K. b. Talib and Y. Cao, "Enhancing Micro-Expression Recognition with Broadbent Attention Mechanism: A High-Performance Approach for Emotion Detection," 2024 IEEE 21st International Conference on Smart Communities: Improving Quality of Life using AI, Robotics and IoT (HONET), Doha, Qatar, 2024, pp. 189-194, doi: 10.1109/HONET63146.2024.10822916.
- M. Azeem, M. Zaman, A. Akhunzada, T. Kehkashan, **I. Ashraf** and A. Rehman, "Optimizing Diabetic Foot Ulcer Detection: Leveraging SSD and YOLO Architectures," 2024 IEEE 21st International Conference on Smart Communities: Improving Quality of Life using AI, Robotics and IoT (HONET), Doha, Qatar, 2024, pp. 195-200, doi: 10.1109/HONET63146.2024.10822990.

Forthcoming Publications

- **I. Ashraf**, T. Kehkashan, A. Akhunzada and A. Rehman. (2025). *SA-Net: A Deep Learning Architecture using Self-Attention for Multi-Class Skin Cancer Classification*. Accepted at The International Conference on Software Engineering of Emerging Technologies (SEET25).
- A. Rehman, T. Kehkashan, A. Akhunzada and **I. Ashraf**. (2025). *Enhancing Deepfake Video Detection: An Xception-CBAM-BiLSTM Framework with Attention Mechanisms*. Accepted at The International Conference on Software Engineering of Emerging Technologies (SEET25).

In Review (IEEE Transactions)

- M. Khubaib, T. Kehkashan, M. Abdelhaq, M. A. Khan, M. Zaman, **I. Ashraf**, A. Rehman, A. Akhunzada,
Data-Efficient Wheat Disease Detection using Shifted Window Transformer: Enhancing Accuracy, Sustainability, and Global Food Security,
Under 2nd round revision, IEEE Transactions on Consumer Electronics.
- T. Kehkashan, **I. Ashraf**, M. Zaman, A. Rehman, N. A. Ismail, A. Akhunzada,
Brain Tumor Classification for Sustainable and Personalized Biomedical Healthcare in Precision Medical Diagnostics,
In Revisions, IEEE Transactions (TBD).

HONORS & CERTIFICATES

- **Letter of Appreciation** – AI & NLP (UOL)
- **Programming Competition Winner** – UOL, 2023
- **Developer Experience Certificate** – Library Management System for Govt. Abbasia HSS
- **Conference Panel Member** – IEEE Lahore Section (UCP)
- **Participant** – 1st Int. Conference on Sciences for Future Trends (UOL-SGD)
- **TikTok Dropshipping Workshop** – Tech Week 2025 (UOL-SGD)
- **Prompt Engineering Workshop** – Tech Week 2025 (UOL-SGD)

Community & Leadership

Campus Ambassador – [Internee.pk](#) (May 2025 – Present)

- Connecting juniors with tech industry internships and opportunities
- Promoting AI upskilling via virtual events and mentorship