

SAIF KHAN

Computer Science student specialized in Deep Learning and Software Engineering. 6+ years experience in native Android app development using Kotlin and Java languages. Skilled in mobile development, static web development and machine learning using various Python frameworks.



CONTACT

✉ saifkhichi96@gmail.com
🏠 saifkhichi.com
🌐 @ [saifkhichi96](https://www.instagram.com/saifkhichi96)
🌐 [Muhammad Saif Ullah Khan](https://www.linkedin.com/in/MuhammadSaifUllahKhan)
📞 0000-0002-7375-807X

SKILLS

Programming

Python · Kotlin · Java · HTML · C · JavaScript · TeX · Hack

Databases

MySQL (with PHP), SQLite (for Android), NoSQL databases like Firebase Realtime Database / Firestore and MongoDB..

Software and Tools

Deep Learning (PyTorch, scikit-learn), Image Processing (OpenCV, PIL, scikit-image), Visualization/Computing (Matplotlib, NumPy, SciPy), Advertisements/Analytics (Google Analytics, AdMob, AdSense, Crashlytics), Web Hosting/DNS Setup (e.g. GitHub Pages, Firebase Hosting, etc.).

Other Tools

Jekyll website generator, Blender for 3D modeling, Unity game engine.

Languages

English (Bilingual)
German (Basic (A2.1))
Urdu (Native)

WORK HISTORY

📅 11/2021 - present
📍 German Research Center for Artificial Intelligence (DFKI) Kaiserslautern, DE

Research Assistant

📅 09/2018 - 02/2019
📍 Active Institute of Science, Arts and Technology (AISAT) Multan, PK

Software Developer and Graphics Designer

EDUCATION

📅 2023 - present
📍 Rheinland-Pfälzische Technische Universität Kaiserslautern-Landau (RPTU) Kaiserslautern, DE

PhD Student

📅 2019 - 2022
📍 Technische Universität Kaiserslautern (TUK) Kaiserslautern, DE

Master of Computer Science

📅 2014 - 2018
📍 National University of Sciences and Technology (NUST) Islamabad, Pakistan

Bachelor of Software Engineering
3.78 CGPA (1.33 ECTS)

PUBLICATIONS/RESEARCH

Dataset M. Khan, D. Stricker, M. Afzal, (2022). [Generating Synthetic RGB-D Datasets for Texture-less Surfaces Reconstruction](#). *Proceedings of NeurIPS Track on Datasets and Benchmarks*. (Pending)

Review M. Khan, D. Stricker, M. Afzal, (2022). [3D Reconstruction from a Single RGB Image using Deep Learning: A Review](#). *Journal of Imaging*. (Pending)

Dataset M. Khan, (2021). [A novel segmentation dataset for signatures on bank checks](#). *arXiv Preprint*. <http://doi.org/10.34740/KAGGLE/DS/1041694>

Thesis M. Khan, B. Ahmad, M. Tariq, M. Malik, (2018). [Signature Verification](#). *NUST School of Electrical Engineering and Computer Sciences*. <http://doi.org/10.13140/RG.2.2.11002.24006/1>

PROJECTS

- ▶ **REcatalyst** [🔗](#) A collaborative tool for software project management and requirements specification as an Android application.
- ▶ **Eduistein** [🔗](#) An online learning management system for smart schools in shape of an Android app, developed for a client in India.
- ▶ **Acacia Joinery** [🔗](#) A mobile application to aid in customer requirements elicitation for an architectural firm based in Bellambi, Australia.
- ▶ **IPRD Geotag** [🔗](#) A location-based remote work status monitoring Android app developed for PRD Jharkhand, India.
- ▶ **Tiled** [🔗](#) Lightweight API for easily creating tilemaps in Android. It is useful for applications and games which need to display tile-based graphics.