Sharik Anwar Zahir Hussain

Student Assistant | AI & Machine Learning

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📍 **Gneisenaustraße 24, Würzburg**

SUMMARY

Master's student in Artificial Intelligence with hands-on experience in Python programming and machine learning. Skilled in designing algorithms, optimizing workflows, and applying AI/ML solutions to address real-world challenges. Fluent in English and B1-level German, with a strong focus on delivering practical AI solutions.

EXPERIENCE

Intern

Shiash Info Solutions Private Limited

📅 07/2021 - 12/2021   📍 Chennai, India

- Increased development efficiency by **20%** by implementing debugging solutions with development teams.
- Processed and optimized large codebases and contributed to system documentation.

PROJECTS

Reinforcement Learning Approaches to Blackjack

📅 04/2024 - 07/2024

🔗 https://github.com/anwar-prog/Reinforcement-Learning-Approaches-to-Blackjack

- Developed and validated **Q-learning** and Hi-Lo card counting algorithms, **improving win rates** by 46%.
- Accelerated training pipelines, reducing computational time by 15%.

3D Object Detection in Manufacturing Environments

📅 10/2023 - 02/2024

🔗 https://github.com/anwar-prog/3D-Object-Detection

- Designed AI-driven workflows for anomaly detection, achieving **95% accuracy** in component quality analysis.
- Enhanced data flow efficiency, improving detection speed by 30% through optimizing pipelines and developing a real-time GUI.

Step Detection using Deep Learning Models

📅 04/2023 - 07/2023

🔗 https://github.com/anwar-prog/Step-Detection-using-Deep-Learning-Models

- Designed and trained models using **Transformers**, achieving higher accuracy in identifying patterns and detecting anomalies in time-series data.

Automated Sugarcane Disease Classification and Identification

📅 11/2021 - 02/2022

🔗 https://github.com/anwar-prog/Automated-Sugarcane-Disease-Recognition

- Developed an **Android application** for real-time disease detection, enhancing diagnostic speed by 30%.
- Improved model accuracy by 20% for scalable agricultural applications through rigorous validation processes.

School Supervision Web Application

📅 10/2020 - 02/2021

- Increased administrative efficiency by 30% by automating school tasks with PHP and MySQL web application.

SKILLS

| Python | Java | C | C++ |

| TensorFlow | Scikit-learn | OpenCV | Git | Visual Studio Code |

| Actively learning Microsoft Power Platform |

LANGUAGES

German	B1 - Adavnced	**English**	C1 - Proficient	**Tamil**	Native

EDUCATION

Master's in Artificial Intelligence
Technical University of Applied Sciences Würzburg-Schweinfurt
📅 03/2023 - Present

Bachelor's in Computer Science and Engineering
Kalasalingam University
📅 05/2018 - 04/2022

PUBLICATIONS

Automated Sugarcane Disease Detection with an Android Application
IEEE
📅 05/2022   🔗 https://ieeexplore.ieee.org/document/9776685