

Sharik Anwar Zahir Hussain

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Master's student in Artificial Intelligence with hands-on experience in Python, machine learning, and deep learning. Skilled in designing algorithms and evaluating AI systems. Strong interest in virtual reality and gaming technologies. Fluent in English and B1-level German, with a strong focus on delivering practical and efficient solutions.

PROFESSIONAL EXPERIENCE

Jul 2021 – Dec 2021

Chennai, India

Intern

Shiash Info Solutions Private Limited

Reviewed code using **Git** and debugged issues in **Visual Studio Code**, improving system reliability.

PROJECTS

Apr 2024 – Jul 2024

Reinforcement Learning approaches to Blackjack [↗](#)

Implemented **Q-learning** and Hi-Lo systems for card counting, achieving a **46%** improvement in win rate.

Oct 2023 – Feb 2024

3D Object Detection in Manufacturing Environments [↗](#)

- Achieved **95% accuracy** and 0.86 SSIM for maturity assessment using **VGG 16 CNN** with 3D-CAD and real-world data.
- Improved efficiency by **25%** and reduced errors by **30%** through model training and real-time **GUI**.

Apr 2023 – Jul 2023

Step Detection using Deep Learning Models [↗](#)

Built and preprocessed deep learning models and showed that **Transformers** outperformed **LSTM** and **CNN** in accuracy.

Nov 2021 – Feb 2022

Automated Sugarcane Disease Classification and Identification [↗](#)

Developed an **Android app** for real-time sugarcane disease detection using machine learning.

Oct 2020 – Feb 2021

School Supervision Web Application

Created a web application using **PHP** and **MySQL** to automate school administration and database management.

LANGUAGES

German: B1

English: C2

Tamil: Native

TOP SKILLS

Programming Languages — Proficient

Python, Java, C, C++

Machine Learning — Proficient

TensorFlow, Scikit-learn, OpenCV

Data Handling — Competent

Data Preprocessing, Data Augmentation

Communication — Expert

Team Collaboration, Written and Verbal Communication

EDUCATION

Mar 2023 – present

Germany

Master's in Artificial Intelligence

Technical University of Applied Sciences Würzburg-Schweinfurt

May 2018 – Apr 2022

India

Bachelor's in Computer Science and Engineering

Kalasalingam University

PUBLICATIONS

May 2022

Automated Sugarcane Disease Detection with an Android Application [↗](#)

IEEE

INTERESTS

Cooking: Specialized in Indian foods and enjoy blending traditional flavors to create unique dishes.

Creative Writing: Crafting stories but often finding it challenging to conclude them with a fitting climax.

Gaming: Enjoy playing competitive games and achieved Ascendant rank in Valorant as a notable milestone.