Shaheem P

github | linkedin | Shaheem1729@gmail.com

Shaheem_b220523cs@nitc.ac.in | +919633573500 |

PROFILE

As a final-year Computer Science and Engineering student at NIT Calicut, I am passionate about applying my skills in software development, cybersecurity, and artificial intelligence to solve real-world challenges. With a strong foundation in programming languages, data structures, and algorithms, I am eager to contribute to impactful projects and grow within a dynamic professional environment.

TECHNICAL SKILLS

Languages: C++, C, Python, Java, SQL, JavaScript

Frameworks: React, Tensorflow, Scikit-learn

Tools: Git, Docker, VS Code, VirtualBox, Anaconda, Google Collab

EDUCATION

National Institute of Technology, Calicut, Nov 2022 – May 2026
B-Tech in Computer Science and Engineering

- CGPA: **7.23**

PROJECTS

SIGN LANGUAGE RECOGNITION *(Python, TensorFlow, Machine Learning)*

- Built a Convolutional Neural Network (CNN) to classify American Sign Language (ASL) alphabets from static hand gesture images, achieving high accuracy through architectural tuning and regularization techniques.
- Preprocessed and augmented the dataset with normalization, resizing, and transformations to improve model generalization and address class imbalance.
- Evaluated performance using confusion matrix and classification report; used TensorBoard and visualizations to monitor and refine training progress.
- extending the system to support real-time sign language detection using webcam input with OpenCV, TensorFlow, and MediaPipe for efficient hand tracking and gesture classification.

UNIVOTE – ONLINE VOTING APP *(Flutter, Supabase, Application Development)*

- Developed a cross-platform mobile app using Flutter and Supabase to manage secure, time-bound university elections with separate roles for admin and student users.
- Implemented admin functionalities including candidate approval, election scheduling, and result publication through an intuitive interface.
- Enabled students to securely log in, register candidacy, and cast votes during the active election period; ensured data consistency with real-time updates.
- Designed full election lifecycle management with authentication, access control, and dynamic visibility of results, suitable for academic institutional use.

CERTIFICATES

Learn ethical hacking from scratch- Udemy Jan 2024