SHAIK ARMAN ALI

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# EDUCATION

**NIIT University Neemrana, India**

* BTECH in Computer Science 2022-2026
  + CGPA – 7.1

**Higher Education Telangana, India**

* Sri Nalanda Jr College – TS BIE 2020-2022
  + 12th std. – 95.5%
* Regina Carmeli Convent High School – TS SSC 2020
  + 10th std.

# PROJECTS AND EXPERIENCE

## Employee360 – Intelligent Employee Attrition Dashboard & Prediction Platform

* Built a full-stack employee management and attrition monitoring platform using MERN, Tailwind CSS, and ShadCN UI, integrated with a Flask ML microservice (Scikit-learn + SHAP).
* Tested workflows via Postman, containerized with Docker, and automated CI/CD using Jenkins.

## FITNUS – Fitness Tracking System

* Developed a fitness tracker with IoT devices (Arduino IDE) and a web dashboard using HTML, CSS, and Python to monitor workout history.
* Tested sensor integration and data transmission, implementing user login and dashboard for workout tracking.

## R & D Project: Scalable Intrusion Detection Solutions for Cloud Computing Environment

* Developed a hybrid Intrusion Detection System for cloud environments using Machine Learning and Deep Learning (CNN, LSTM, SAE) with ensemble classifiers (Random Forest, XGBoost). Achieved 98.5% accuracy and reduced false positives on the CSE-CIC-IDS2018 dataset, improving scalable cloud security.

## TABY – Collaborative Virtual Pet Web Game

* Built a browser-based real-time co-parenting game using HTML, CSS, JavaScript, Node.js, and MySQL, featuring secure login, co-parenting, pet emotion tracking, and an infinite inventory system.
* Documented requirements, created UML models, followed SDLC processes, and ensured all actions were stored in a centralized MySQL database.

# SKILLS

* JavaScript, Python, SQL, React.js, HTML, CSS, Tailwind CSS, Node.js, Express.js, Python (Flask), MongoDB, MySQL, Scikit-learn, Docker, Jenkins (CI/CD), Git & GitHub, Postman, Arduino IDE

# CERTIFICATION

* **Machine Learning – Course Completion**

Teachnook in collaboration with WISSENAIRE IIT Bhubaneswar, **date: 15-12-2022, Certificate ID: 2931508473**

* Google Cloud Computing Foundation: Data, ML, and AI in Google Cloud, **date: Oct26,2023**
* Google Cloud Computing Foundation: Cloud Computing Fundamentals, **date: Oct9,2023**

# POSITOIN OF RESPONSIBILITIES

## Treasurer(Office Bearer), MarksmenNU Club 2024 Jan to 2025 Jan

* Manage club finances, budgeting, and expense tracking for all club activities and events
* Trained and mentored 30+ trainees and Coordinated with two additional team members to organize practice sessions and manage club logistics

**Interests: Coding, Video Games, Chess, Outdoor Games**