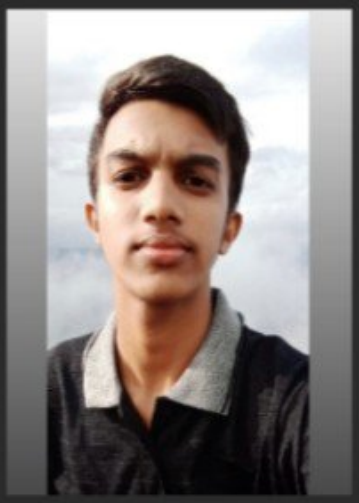

SKILLS

Languages: Python, SQL
Frameworks and Libraries: Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Power BI
Web Technologies: HTML, CSS, Js, Flask
Other Tools: Git, IBM Watson Assistant, IBM Cloud

EDUCATION

08/2022 - In Progress
Cochin University college of engineering kuttanadu |
Kuttanadu, Alappuzha
Btech : CSE

06/2016 - 03/2021
Ghss pattikkad |
Perinthalmanna
Science
97.5%

LANGUAGES

Malayalam:
Native

English:
Fluent

MUHAMMED SHAHZAD

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WEBSITES, PORTFOLIOS, PROFILES

- https://shaahz369.github.io/
- https://github.com/shaahz369?tab=repositories
- https://tinyurl.com/45m5z5mh

PROFESSIONAL SUMMARY

A dynamic and driven professional with a proven track record from my internship at CSRBOX IBM, where I spearheaded project goals and strategies with efficiency. I specialize in data preprocessing, visualization, and advanced machine learning techniques using Scikit-Learn, TensorFlow (Keras), and PyTorch. My expertise extends to deep learning and nlp, allowing me to develop AI-driven solutions. With a strong ability to quickly grasp new concepts, I take a results-oriented approach, focusing on impactful achievements in data science and artificial intelligence.

WORK HISTORY

07/2024 - 08/2024
AI Internship
IBM-CSRBOX | Remote, India

- Designed and built an AI-powered chatbot using IBM Watson Assistant.
- Developed successful project goals and strategies in collaboration with team members.
- Deployed using IBM Cloud.

Hindi:

Elementary

Arabic:

Elementary

CERTIFICATIONS

Deep Learning with Keras-Coursera(June 2025)
Machine Learning with Python - Coursera (Mar 2025)
Generative AI - Microsoft (Feb 2025)
Artificial Intelligence Introduction - IBM SkillsBuild (July 2024)
Data Analytics - IBM SkillsBuild (Dec 2024)
Digital Transformation with Google Cloud - Coursera (Apr 2025)
Version Control with Git - Coursera (Oct 2024)
Front-End Development with Meta- Coursera(Sep 2024)

05/2025 - 06/2025
Machine Learning Intern
Strokx | Kochi, India

- Built and deployed a regression model to predict real estate prices using cleaned and engineered data.
- Improved model performance ($R^2 \approx 0.86$) through preprocessing, outlier handling, and feature encoding.
- Deployed the model via Flask API with a connected front-end for real-time predictions.

PROJECT

Aircraft Damage Detection System
Tools:Tools: Python, TensorFlow, Keras, VGG16, BLIP, HuggingFace, Matplotlib, PIL.
This project involves the development of an AI system that classifies aircraft surface damage as either dent or crack using VGG16-based transfer learning, and further uses the BLIP transformer model to generate descriptive captions and summaries for the images.
Rainfall Prediction Classifier
Tools:Python (Pandas, Scikit-learn), Matplotlib.
Built a classifier to predict rainfall using Australian weather data, achieving 84% test accuracy with Random Forest.
Engineered features (e.g., seasonal trends) and optimized hyperparameters via GridSearchCV.
Analyzed model performance using confusion matrices; identified key drivers like humidity and pressure.
Compared model performances, noting Random Forest outperformed Logistic Regression in accuracy (86% vs. 83%) and true positive rate (50% vs. 51%).