

Riyaz Mullaji

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EDUCATION

- **SIES Graduate School of Technology** Mumbai, India
 - *Bachelor of Engineering – Computer Science in IoT, Cybersecurity, and Blockchain* July 2021 – Present
 - **Relevant Coursework:** Datawarehouse and Mining, Analysis of Algorithms, Internet of Things, Machine Learning

SKILLS

- **Programming Languages:** Python, SQL, C++
- **Frameworks & libraries:** Flask, Pandas, Numpy, Matplotlib, ScikitLearn, PyTorch, TensorFlow
- **Technical Skills:** Data Processing, Data Analysis, Feature Engineering, Audio processing, Model Evaluation, Model Validation
- **Soft skills:** Creative and innovative thinking, Communication, Teamwork, Detail-oriented, Goal-oriented, Curiosity.
- **Version Control:** Git, DVC

EXPERIENCE

- **Inventrom Pvt. Ltd (Bolt IoT)** Remote
 - *Internet of Things and Machine Learning Developer Intern* June 2024 – August 2024
 - **Smart Sprout - Intelligent Plant Care:** Developed an IoT-based project to send alerts for watering plants based on weather conditions and soil moisture by integrating sensors and API. Implemented Machine learning algorithms to detect anomalies and errors in sensor readings.

PROJECTS

- **Synthesized Speech Detection**
 - *Group Project*
 - **Data Engineering:** Built a large custom dataset for synthesized speech using Amazon Polly and gTTS. Extracted audio features through mel-spectrograms using Librosa python library and analyzed the spectrograms of human and synthesized samples
 - **Neural Network Modelling:** Developed and tuned a Convolutional Neural Network in PyTorch for detecting synthesized speech, achieving an F1 score of 0.99. and test accuracy of 99.68%
- **Student Performance Prediction**
 - *Personal Project*
 - **Data Engineering:** Implemented and maintained an SQL database using SQLAlchemy to store student details. Developed a data ingestion pipeline and track data using DVC.
 - **Machine Learning Modelling:** Trained various machine learning models (Linear Regression, Random Forest, Decision Tree, Gradient Boosting, XGB, CatBoost, AdaBoost) achieving an accuracy of 89%.

CERTIFICATIONS & TRAINING

- **Internshaala**
 - *Python for Data Science and Machine Learning*
 - **Overview:** The training covered Data Science concepts, Python for Data Science, Statistics, Predictive Modeling, and Machine Learning basics. Scored 100% in the final assessment.

ORGANIZATIONS

- **Rotaract Club of SIES**
 - *Community Service Director*
 - **Responsibilities:** Discuss and manage new ideas for club events, overseeing community service initiatives and ensuring their smooth execution.