AVI TOMAR

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EDUCATION

2017-2019	M.Sc Computer Science from Central University of Rajasthan	*GPA: 7.6/10*
2012-2015	B.Sc Physical Science from A.N.D College, Delhi University	71.10%
2010-2012	Intermediate from C.J.C School, Uttar Pradesh.	70.83%
2010	Matriculation from C.J.C School, Uttar Pradesh.	69.71%

MASTER'S THESIS

Anomaly Detection : Credit card fraud detection using Isolation forest(Unsupervised) and decision tree(Supervised) applied on European Data set. Developed API in Flask which detects anomalies in system's h/w flows using Auto encoder and Random Forest.
Link : https://github.com/avitomar12/Anomaly-Detection

TECHNICAL STRENGTHS

Computer Languages	C, C++, Core Java
Script	Python, Bash
Database	MySql, NoSQL
ML Tools	Pandas, SKlearn
Software Tools	NS2, TMHMM, Flask

PROJECTS

Face Recognition Application : Android, ML, PHP, AWS [July' 2018]

· Android app deployed on AWS takes photo as Input and compares with existing data using KNN algorithm and tells where person is identified or not.
· Link : https://github.com/avitomar12/FaceRecognitionApp

Predicting the Habitat of Bacteria using its Proteome [Nov' 2017]

· **Objective :** Analyzed how contents of protein structure affect the habitat of bacteria and developed a machine learning model to predict habitat of bacteria from its proteome.
· Link: https://github.com/avitomar12/Habitat-Prediction-of-Bacteria

Library Management System : VB.NET, MySQL [Nov' 2017]

· **Objective :** A desktop application for library management system.
· Link : https://github.com/avitomar12/Library_management_system

EXTRA-CIRRUCULAR

- Participated **Microsoft AI Challenge India 2018** and secured rank in **Top 200** in Phase 1.

- Presented a paper entitled **"Stock Market Prediction using Economic Analysis and Machine Learning"** in the Annual Conference by Rajasthan Economic Association.

- Attended GIAN Course on **Fundamental of Bio Inspired Robotics** at **IIT Kanpur**.

- Participated **EESL Energy Hackathon 2019** at MNIT Innovation and Incubation Center.

[**AVI TOMAR**]