Hamza

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EDUCATION

Bachelor of Engineering in Computer Science and Engineering   Mangalore, KA | Aug 2021
Karavali Institute of Technology
CGPA: **7.8 / 10.0**
Coursework: Data Structures and Algorithms; Operating Systems; Computer Networks; Artificial Intelligence

WORK EXPERIENCE

ERNST AND YOUNG INDIA | Senior Analyst   Mumbai, IN | Aug 2021 – Present

- Performed a cyber security audit of a leading insurance venture firm.
- Carried out testing of **15 security solutions** deployed by the firm and **VAPT** of API, Web interfaces, Servers and Databases.
- Performed and collaborated with **EY Japan** on the **IT SOX** audit of one of the **Fortune 500** company in accordance of **FAIT** system.
- Analyzed **change management**, **logical access** and reviewed **computer operations**.
- Worked on **Application functionality review** for a leading Indian insurance firm.
- Identified a total of **438** risk controls and **107** observations that impacted **70%** on the firm's core application functionality.

INVENTERON TECHNOLOGIES | Data Analyst Intern   Karnataka, IN | July 2020 - August 2020

- Build a deep learning model using **RNN/LSTM** algorithm to predict the **Remaining Useful Lifetime** of a Turbofan Engine.
- Used NASA's turbofan engine degradation simulation **FD001** dataset (CMAPSS) that contains the life cycle of **100** engines.
- Trained the model and achieved the accuracy of **94%**.

PROJECTS

SPEECH EMOTION DECTECTOR ⬈   Python, Librosa, LSTM
A speech emotion detector to analyse the audio and detects the emotion through feature extraction using **MFCC** and applying **LSTM** model.

BIOMETRIC DYNAMIC KEYSTROKE SPOOFER ⬈   Python, Object-Oriented Design, CyberSecurity
A program that authenticates users based on their typing patterns. And a spoofer that uses the genetic algorithm to mimic the user's typing pattern.

THOUGHT WING COACHING WEBSITE ⬈   HTML,CSS, Javascript
A live static website for a coaching institute that provides an online identity to more than **120 students**.

PROFILE LINKS

Leetcode: //username   **Github:** //ahhakir

SKILLS

Languages: Java, Python   **Databases:** SQL, MongoDB
Web Development: JavaScript, React, Express, HTML/CSS   **Technology:** Git, Google Colab, Docker, Cyber Security

AWARDS

I AM EXCEPTIONAL AWARD ⬈   EY India | 2021
Awarded with **I am Exceptional** as Intellectually Stimulating for solving a business problem of the client during ITGC audit.