**Shiksha Rai**

**PROFILE**

An enthused EAC undergraduate who has an efficient problem-solving and networking skills, and active involvement in volunteering activities. Looking for possibilities to grow and contribute to technology in a challenging environment.

**EDUCATION**

* **B.Tech** **Electronics and Computer Engineering**

**CGPA – 7.37 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 75% **2019**

Institution:

* **Class 10** – 81% **2017**

Institution:

**TECHNICAL INTERESTS**

AI, Machine Learning, Networking

**PROJECTS**

**Speech Recognition and Processing using**   
**Python**   
Using the system’s default microphone, our   
program converts speech signals to text. Which   
is then processed to launch a website or an   
inbuilt application.

**Hand Gesture Recognition System for Deaf and Non-Speaking**   
We created a model that uses flex sensors to detect the bend angle and determine flex resistance according to the bend angle, it processes the recorded information and tries to recognize the gesture based on the action.

**Application to Conceal Data using Image**   
**Steganography**   
The project enables us to hide an image inside an image using OpenCV library which can be used to ensure confidentiality and privacy in the communication between two authorized parties.

**Comment Toxicity Using Deep Learning**   
**implemented on Microsoft Azure**   
Designed a system that detects how toxic a comment is and classifies it based on labels (toxic, severe toxic, threat, insult, identity hate).The Deep Learning architecture used in this system is LSTM (Long Short-Term Memory). This system can be used to detect and prevent hate speech over the web.

**Design and Development of an e-health**   
**package for voice pathology detection**   
We devised a system where our feature set was extracted and compared to a known feature set using correlation coefficient and graphical representation. Then the subsequent set was passed to different machine learning and deep learning models for further classification and the results obtained were analyzed.

**TECHNICAL SKILLS**

C/C++, Java, R, Machine Learning, Networking, Database Management Systems, Internet of Things

**CERTIFICATIONS**

Networking Fundamentals in Google Cloud

Google Cloud Computing Foundations: Networking & Security in Google Cloud

Google Cloud Computing Foundations: Cloud   
Computing Fundamentals

**LANGUAGES**

English, Hindi