**SOLOMON STABY**

**EDUCATION**

* **M.Tech Artificial Intelligence Engineering**

**CGPA – 8.32 / 10**

Amrita Vishwa Vidyapeetham

* **B.Tech in Instrumentation and Control Engineering**

**CGPA – 8.02 / 10**

NSS College of Engineering

* **Class 12** – 85.33% **2019**

Institution:

* **Class 10** – 86.6% **2017**

Institution:

**TECHNICAL INTERESTS**

Machine Learning, Artificial Intelligence

**PROJECTS**

**Mental Health App**   
*Language/ Platform: Python, Tensorflow, OpenCV*   
 As part of **Reboot Kerala Hackathon**, a team of 6 participants made an app which can be used to analyse the mental health of a person using inputs from their facial expressions, answers from the provided questionnaire and paragraph type answers they provide. **Deep learning** was used to recognize facial expressions.

**Hand Wash Habit Cultivation and auditing system**   
*Language/ Platform: Arduino, OpenCV*   
 For the Final Year Project, used Arduino to make an automatic tap and gave a delay of 15 seconds after pouring the foam. The user can analyze how clean their hand is by showing it to the camera under UV light. Using suitable image processing techniques using OpenCV, the percentage of cleanliness in hand is displayed

**IoT based remote patient monitoring system**   
*Language/Platform: NodeMCU, C++, Ubidots*   
 A platform where a pulse rate sensor was used to get the pulse rate of the patient and the data was received on the Doctor’s smartphone with the help of IoT.

**TECHNICAL SKILLS**

NumPy, Pandas, Matplotlib, Seaborn, Python, MySQL, Figma, Adobe XD

**LANGUAGES**

English, Malayalam