**SIMRAN NAIR**

**PROFILE**

Seeking an entry-level position with an esteemed organization where I can make use of my expertise in

Biomedical Instrumentation, Machine Learning, and Deep Learning and advance my professional development.

**EDUCATION**

* **B.Tech Biomedical Engineering**

**CGPA – 7.49 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **B.Tech Biomedical Engineering**

**CGPA – 8.74 / 10 2019-2023**

Vellore Institute of Technology

* **Class 12** – 81.8% **2019**

Institution: *Rashtriya Military School Chail*

* **Class 10** – 100% **2017**

Institution: *Rashtriya Military School Chail*

**TECHNICAL INTERESTS**

Biomedical Instrumentation, Medical Robotics

**PROJECTS**

**EPILEPTIC SEIZURE PREDICTION USING ECG**

Developing a deep learning make model which can predict the occurance of Epileptic Python in Signal Seizure in rural area by using filtering and decomposition techniques on ECG and Respiratory signal.

|  |
| --- |
| **KIDNEY STONE ANALYSIS USING IMAGE PROCESSING** |
| **AND DEEP LEARNING** |
| *Analyzed the detection of Kidney Stone and evaluated* |
|
| *the performance using deep learning model and various* |
|
| *image processing techniques.* |
|

**SELF-STABILIZING SPOON FOR PARKINSONʼS PATIENT AND OLD AGED PEOPLE AND OVERALL TREMOR DETECTOR FOR RECOVERY MONITORING, Vellore School of Electronics Engineering,** *Designed self-stabilizing device using Arduino UNO and Servo*

**TECHNICAL SKILLS**

Python, pandas

**INTERNSHIP**

***Hospital training at IVY Mohali***

2019 | Chandigarh, India

Hands on experience in Infusion Pump, ECG Machine, Ultrasound, Pulse Oximeter, Nebulizer and Ventilator.

**CERTIFICATIONS**

MATLAB Onramp

Deep Learning IIT Ropar