RISHABH SISODIA

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EDUCATION

Vellore Institute of Technology   **Vellore, India**
Bachelors of Technology in Electronics and Communication Engineering   *June 2016 – May 2020*
CGPA: 8.75/10.00 | **GRE:**326 | **TOEFL:**104

WORK EXPERIENCE

EXL Services   **Noida, India**
Business Analyst   *Sept 2020 - Present*
- Ongoing – Health care Analytics

Varroc Group   **Pune, India**
Engineering Intern   *Dec 2019 – Apr 2020*
- Implementing IIOT dashboard on performing TPM analysis at VARROC VEL3
- Worked with LabVIEW .NET, LabVIEW HTTP REST, and TCP/IP MODBUS libraries
- Accumulated data from Delta PLC DVP12SE and interfaced the remote application to a cloud service FavorIOT

National University of Singapore – Hewlett Packard Enterprise - CG   **Singapore**
Summer Academic Intern   *May 2019 –June 2020*
- Worked on implementation of secure IoT Applications and Machine learning under the guidance of Prof. Anand Bhojan, Chan Mun Choon, Tan Wee Kek and Hewlett Packard Enterprise
- Created a virtual reality haptic gear for a more immersive experience in the Unity environment.
- Link- http://isteps.comp.nus.edu.sg/profile/rishabhsisodia
- Created Smart Library using Rpi, SQL and Django

Logic Fruit Technologies   **Gurugram, India**
Research and development Intern   *May 2018 – May 2018*
- Implemented data bus in accordance with SPI protocol for DAC3282 which is a dual-channel 16-bit 625 MSPS digital-to analog converter (DAC) with an 8-bit LVDS input data bus.

G4S Secure Solutions   **Gurugram, India**
Market Research Intern   *May 2017 – May 2017*
- Performed benchmark analysis on firms and measures to mitigate risk for their assets under Ms. Priyanka Singh's supervision

PROJECTS

Joint Detection Classification model for audio tagging
Audio tagging of weakly labelled acoustic scene using Joint Detection Classification model. Presented at ICSASIC'20 conference at VIT, Vellore and the paper is selected for the future publication at LNEE Springer.

Brain tumour detection and categorization
Brain tumour detection using the watershed algorithm for segmentation and categorization into its tumour types using CNN

Stock Prediction using a LSTM model
Used a stack of LSTM layers on training data from 1995 to 2015 Chinese Stock Market and predictions on data after 2016. Received training score of 0.01 MSE and testing score 0.02 MSE with overlapping yuan vs days' graphs.

Wireless arm-sleeve gear for Virtual Reality environment
Developed wireless arm-sleeve gear embedded with multiple sensor nodes of CC2650 working in a feedback loop in Unity's Virtual reality environment.

IIOT system model for Total Quality Maintenance
Accumulated, monitored and analysed TPM IIOT data from impulse winding tester using LabVIEW packages and FavorIOT

SKILLS

- **Language:** Python, SQL, JavaScript, Matlab, Verilog, VHDL, LabVIEW
- **Software:** GIT, MYSQL Workbench, ModelSim, Octave
- **Frameworks/Lib:** Keras, Scikit Learn, Pytorch, Pandas, Spacy, Numpy
- **Visualization:** Tableau, PowerBI, Seaborn, Matlplotlib