

BHARATH CHANDRA

(+91)8639922855 ♦ muppasanibharath.18@gmail.com

EDUCATION

International Institute of Information Technology, Naya Raipur Bachelor in Technology Department of Electronics and Communication Engineering Overall CGPA: 8.72	2016 to 2020
Narayana Junior College, Vijayawada Intermediate Overall Percentage: 93	2014 to 2016
Bhashyam Educational Institutions, Vijayawada Secondary School Overall CGPA: 10	2014

PROJECTS

- Covid-19 Tracker** *Skill set: Flutter(App development)*
A Covid based app which shows the availability of essential resources in given location along with district-wise statistics of cases in India.
- dCrop: A Deep-Learning Based Framework for Crop Disease Accurate Prediction in Smart Agriculture**
A user friendly app integrated with Deep-Learning Based Framework which can predict the crop disease from a camera captured image with detailed analysis of the crop condition along with precautions.
- Differential Power Analysis attack on a CMOS based Cryptographic module and TRNG based countermeasure**
Performed a Differential Power Analysis(DPA) attack on a simulated crypto system using Data analysis techniques in Python
- Energy efficient and power analysis resilient cryptographic engine**
Considering several vulnerabilities of a cryptographic engine, we have proposed an innovative solution to counter the correlation power analysis attacks(CPA).

WORK EXPERIENCE

- Internship - IIT Kharagpur** May 2018 - July 2018
Project Intern - Machine Learning and Data Analysis field.(Samsung affiliated)
• De-interleaving of streaming sensor data in multi-resident smart home

PUBLICATIONS

- dCrop: A Deep-Learning Based Framework for Crop Disease Accurate Prediction in Smart Agriculture
- Smart Dual Dustbin Model for Waste Management in Smart Cities
- Low area overhead DPA countermeasure using re-configurable S-box *Under Review*

TECHNICAL STRENGTHS

Programming & Skills
Software & Tools

Python, C, Dart, Matlab, HTML, CSS, Data Structures
Cadence, Hspice, Xilinx Vivado, Android Studio, Photoshop, After Effects

EXTRA CURRICULAR

Hult Prize Selected for Hult Prize global regionals
Technovate Technical Coordinator in Technovate 2k19

PERSONAL TRAITS

Ability to work as an individual as well as in group. Adaptive nature.

Apart from Electronics I'm passionate and skilled at Coding.