

UNNATHI CHALICHEEMALA

unnathi.c@gmail.com · 9110528561 · <https://www.linkedin.com/in/unnathic/>

EDUCATION

National Institute of Technology, Andhra Pradesh Tadepalligudem, Andhra Pradesh
Bachelor of Technology Electronics and Communication Engineering *GPA: 8.2* 2017 - 2021

WORK EXPERIENCE

Indian Institute of Technology, Kanpur
Research Intern June 2020 - August 2020

- Was part of IMPRINT India-Energy Management System(EMS) project, an MHRD initiative
- Device implementation of Low-Cost Indoor Occupancy and Climate Monitoring System

Defence Research & Development Organization(DRDO)
Summer Intern May 2019 - July 2019

- Designed and implemented a prototype of a Measurement System for measuring Pressure and Temperature in Underwater Subsystems

CodeKindle Pvt Ltd
IOT Intern April 2020 - June 2020

- Developed Automatic Hydroponics System from scratch for customer-use.

Niltech Pvt Ltd
Student Intern December 2019 - December 2019

- Interfaced various sensors using RaspberryPi, understood the working of each sensor

National Institute of Technology, Andhra Pradesh
Undergraduate Research Intern July 2020 - August 2020

- Worked under Dr.P.Narasimha Rao in the field of Unmanned Aerial Vehicles (UAVs) and their implementation as Base Stations.

SKILLS

Programming & Software Development:	C, C++, Data Structures & Algorithms, OS concepts, Python
Internet Of Things(IOT):	Arduino, RaspberryPi, NodeMCU, Arm Cortex, 8051 Programming
Software:	Keil, Verilog, PSpice, MATLAB, Linux
Web Development:	HTML5, CSS3, SQL

PROJECTS

Smart Car Parking System

Used NodeMCU, IR sensors and created an app using MIT App Inventor, using Firebase as the server to track empty parking slots

Automatic Hydroponics System

Software implementation using pH sensor, conductivity sensor, soil moisture sensor, DHT22 and NodeMCU as part of internship in May, 2020.

HONORS & AWARDS

Best Heritage Club Passport YOUNG INTACH Heritage Club
Recognized for creating the most informative Heritage Passport nationwide 2012

Best Student Amararaja Group
Recognized for admission into an Institute of national importance. 2017

Article publication in Science magazine Deeksha Environmental Magazine
Article titled "Water – The Elixir of Life" published in Deeksha magazine in April-June issue 2013