

Akash Mangalpalli

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EDUCATION :

Walchand Institute OF Technology, Solapur

B. Tech (Electronics Engineering)

Maharashtra

2020 - 2023

Government Polytechnic, Solapur

Diploma (E&TC)

Maharashtra

2018 - 2020

D. B. F. Dayanand College, Solapur

HSC

Maharashtra

2016 - 2018

Shri Markandeya Highschool, Solapur

SSC

Maharashtra

2016

PROJECTS :

- **Data Acquisition System (Converted Analog System into Digital ON Display is Called DSA)** | Keil IDE | Vector Board | Protocols | Flash Magic | C and Embedded C Language (Vector Project)
- **"Data Acquisition System"(DAS) For Sensing The Interior Temperature OF The Concrete For Developing Temperature / Strength Co-relation .** | Temp Sensor DS18B20 | ESP 32 Board | Server / Cloud | (Engineering Project)
 - In hydration process for mass concrete more amount of heat is generated which is harmful for concrete.
 - Due to this heat cracks will develop so to avoid this we perform the curing process.
 - After curing process, the heat of hydration can be control and concrete will start gaining the strength .
 - The DS18B20 temp sensor helps to track the temp of concrete.
 - The temperature will be recorded on cloud.
- **IOT Based Flood Detection Avoidance System** | Proteus | C Language | Arduino UNO Board | LCD Display | ESP8266 Wi-Fi Module | Temp + humidity Sensor DHT(11) | Water Flow Sensor | Ultrasonic Sensor SR04 | Water Level Sensor | Traffic Light Module | (Diploma Project)

PROFESSIONAL TRAINING :

- **Organization name:** Vector India Pvt Ltd. (Bangalore)
- **Training on:** "Embedded Systems" (Duration: November 2023 To May 2024)



TECHNICAL SKILLS :

- **Operating System:** Windows, Linux (ubuntu)
- **Tools & IDE:** Keil IDE, GCC Compiler, Flash magic, Proteus, Keil RTOS Rtx
- **Programming Language:** C, Embedded C, C++, Basic of RTOS
- **Communication Protocols:** UART, SPI, I2C, CAN
- **Hardware:** ARM7 Microcontroller (LPC2129), IC741 (OP-AMP)
- **Computer Basics:** MS Word, MS Power Point

INTERNSHIPS & CERTIFICATIONS :

Internships On:

- Training in DRM (Divisional Railway Manager)

Certifications :

- Infosys Springboard (Database Management System)

ACHIEVEMENTS :

Selected in National Level DIPEX 2020 Project Exhibition 2nd Price (Diploma Project / Level)