

Satyam Anand

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Education

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

B. Tech in Electronics and Communication Engineering.

Current CGPA: 9.7 Overall CGPA: 7.7

New Delhi

2017 – 2021

VANASTHALI PUBLIC SCHOOL

Graduated with 78% in class 12th from CBSE board

New Delhi

2015 – 2016

SEVENTH DAY ADVENTIST HIGHER SECONDARY SCHOOL

Graduated with 90% in class 10th from ICSE board

Ahmedabad

2013 – 2014

Experience

AEROGRAM PVT. LTD, IIT Delhi

Embedded Systems Intern

New Delhi

February – August 2020

- Participated in the creation of pollution measuring devices using LoRaWAN by fabricating LoRa devices and establishing a gateway for communication among them using ESP32 and RFM95 modules.
- Programmed and simulated the LoRa devices and LoRaWAN gateway for bi-directional on the SPI interface using The Things Network.
- Improved the range of communication between the LoRa devices from 400m to 1km.

SPACE TECHNOLOGY AND AERONAUTICAL ROCKETRY, Surat

Avionics Intern

Remote

July – August 2020

- Led a team of interns and fabricated the PCB for the flight computer of a high-powered rocket using Eagle PCB and Solidworks software.
- Engineered a static test pad of rocket motor to be operated and withstand force as high as 200N.
- Designed safety measures like heat shield and wireless data acquisition for the electronic console of static test pad.
- Simulated the flight computer using Tinker-cad, Open rocket and Proteus software.

Projects

CREDIT RISK ANALYSIS USING MACHINE LEARNING

- Built predictive models using machine learning algorithms to detect and predict customers who could be potential credit risks for banks and financial institutions.

Skills & Interests

Technical: Embedded Systems, IoT, Solidworks, Eagle PCB, Python and C.

Languages: Fluent English and Hindi, Beginner Russian and French.

Interests: Writing, Reading books and Cross-cultural cinema.

Certifications

SOLIDWORKS TRAINING CERTIFICATION, INTERNSHALA

Credential ID: 5A693666-7997-FB07-6A2D-D5BC4543975A