

# PRAMOD DEVIREDDY

Scientist/Engineer • URSC – ISRO • Bengaluru, India

✉ pramod.devireddy@gmail.com 🏠 domarpdev.github.io 🔄 Pramod-Devireddy 📄 Pramod-Devireddy 🐦 PramodDevireddy

## Experience

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### U R Rao Satellite Centre – ISRO

2016 – current

#### Software Engineer

- Building applications for automating Spacecraft Checkout Operations

#### Spacecraft Checkout Engineer

- Test Engineer for Spacecraft Bus Systems of GSAT-29, MICROSAT-R & GSAT-12R

## Education

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### Indian Institute of Space Science and Technology

#### B.Tech in Avionics

2012 – 2016

Subjects: Control Systems, Digital Electronics, Communication, Computer Networks, Operating Systems, Data Structures & Algorithms

## Projects

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### Execution Engine (C++)

- Central point for controlling automatic test procedure execution of spacecraft testing

### Data Display System (C++, Qt)

- Suite of Real-Time & Offline desktop applications for spacecraft telemetry monitoring & analysing

### Telemetry Data Processor (C++)

- Generic binary data stream processor & publisher for spacecraft telemetry

### Plot (C++, Qt)

- Real-Time & Offline plotting tools for auto plotting, monitoring & analysing spacecraft telemetry

## Skills

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Programming Languages C, C++, Python, Go, JavaScript & Bash

Frameworks & Libraries Qt, Vue, Vuex, Vuetify, ZMQ, Protobuf, PyTorch & TensorFlow

Databases MySQL & NoSQL (MongoDB)

Human Languages Telugu, English & Hindi