

SUJIT MAITY

Defence Research and Development Laboratory

Portfolio Website

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Hyderabad, India

in Sujit Maity

Sujit0127

PROFESSIONAL SUMMARY

- Software engineer with 3 years of experience in software development and testing.

EXPERIENCE

Software IVV Engineer

GVR Technolabs Pvt Ltd.

August 2025- Present

Designing, developing, validating and verifying of software code in C/C++ according to DO-178B/C standards of various Article, Projects.

Software/ Data Analytic Engineer

Maple Software Pvt Ltd

June 2023 - July 2025

- Worked on building Application for Telemetry Data Analysis using Python.
- Worked on building new MATLAB GUI for Telemetry Data Analysis.
- MIL-1553 Data Extraction software with C.
- Webpage development with HTML and CSS for Data Reports.

Project Engineer

Defence Research and Development Laboratory

August 2022 - May 2023 (10 Months)

- Operating Telemetry system to collect data from launch vehicle.
- Design & development of application to parse the data for analyzing and Data representation.
- Analyzing and processing the data using MATLAB.
- Data Plotting and Visualization using MATLAB of data from Unmanned Launch Vehicles.

PROJECTS

TMOIP Data Bridge: Telemetry Processing System

Python, PyQt5, multiprocessing, UDP Sockets

2025

- Developed a desktop-based application that receives data in Throughput and Packet modes, processes it in real time, and transmits the formatted output over Ethernet via UDP using the TMolIP protocol.

TMOIP (Telemetry Over IP)

Django (Framework), Python (Backend), HTML, CSS, Bootstrap, React (Frontend), MySQL, Chart.js (Visualization)

2024

- Developed a full-stack web application for Telemetry operations using Django as the framework with Python for the backend.
- Integrated MySQL for efficient database management and retrieval.

EDUCATION

B.Tech in Computer Science Engineering

Birbhum Institute of Engineering and Technology

2018-2022 CGPA : 8.43 / 10

Class XII

Ghoshpur High School, East Medinipur

2016-2018 Per : 75.2%

Class X

Kumarpur Hateswar High School, East Medinipur

2016 Per : 54.57%

SKILLS

C Python HTML CSS MySQL
Django PyQt5 Matlab

CERTIFICATION

- Python Basics - DataFlair

- Utilized Chart.js for interactive and dynamic data visualizations.
-

Data Plotter Application

Python, PyQt5, Matplotlib, PDF Export

📅 2024

- Designed a user-friendly graphical interface using PyQt5 to manage multiple plotting tasks.
-

Offline Extraction & Plotting Application

MATLAB

📅 2023

- Provides an interactive plotting feature for telemetry data plot.