

Sayan Dey

Software Engineer

Portfolio: <https://sayan1999.github.io>

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<https://github.com/sayan1999> 

Education

B.Tech Computer Sc
2017-2021
NIT Rourkela, India

Higher Secondary
2009-2017
Gorabazar I.C. Institution

Skills

- Python
- Keras
- Sklearn
- C/C++, Golang
- ML/DL Algorithms
- Generative AI
- LLMs
- Automation
- Stable Diffusion
- Analytical skills
- Problem-solving

Extra-Curricular

- Badminton
- Ukulele & Singing
- End-End project building

Voluntary Roles in Past

Co-Founder and VP of
animal welfare club in
college

College Campus Journalist

Software Testing Engineer with 2+ years of experience at Qualcomm in usb software testing and automation enhancement on existing framework. Excited to explore and implement machine learning solutions for real world problems.

Experience

Software Testing Engineer | Qualcomm | June 2021 to current

- Tested USB functionality on three Compute Products
- Performed Level-based, Smoke, Stress, System and Regression Testing in USB
- Automated USB4 functional testing and all windows functionality
- Very quickly ramped up to corporate ecosystem and acquired POC role in Compute USB platform testing

Interim Engineering Intern | Qualcomm | May 2020 to August 2020

- Implemented an LSTM based ML model to predict Anomaly in log sequence
- Implemented a tree-depth-based log parser
- Implemented a C function parser in Python

Engineering Intern | Continental | May 2019 to July 2019

- Learnt a new Compiler language Golang
- Migrated a socket programming project to Golang
- Learnt handling NoSQL (MongoDB) database with *Bson* data format

Machine Learning Projects

Link: <https://github.com/sayan1999>

- YouTube-Video-Summarizer: *Summarize an youtube video with NLP techniques on the transcripts*
- Live-Instagram-Spam-Detector: *An web based application to detect spam accounts on Instagram*
- Blover: *Generates relevant cover image for given blog or article*
- DQMaze: *Reinforcement Learning based Droplet Routing Algorithm for Digital Microfluidic Biochips*