

# ANURAG ROY

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Github: [github.com/royarg02](https://github.com/royarg02)

## OBJECTIVE

I am seeking a technical position on a software project, preferably being or using free and open-source software.

## EDUCATION

- 2016 - 2020  
**Netaji Subhash Engineering College**  
*Bachelor of Technology, Electronics and Communication Engineering; GPA: 8.35*

## SKILLS

- Languages:** Dart, Shell, Java, HTML5, CSS3, C. *Prior experience C++, Python, Assembly, MATLAB*
- Frameworks:** Flutter, Hugo
- Tools:** Git, Bash, Github Actions, Github Pages. *Prior experience Android Studio, Jupyter Notebook*
- Platforms:** Linux, Android, Web, Raspberry Pi, Windows. *Prior experience Arduino, Firebase, GCP*

## EXPERIENCE

- Nov 2020 – Jan 2023  
**Tata Consultancy Services Assistant System Engineer**  
*Provided infrastructure support alongside a team to maintain several Oracle Weblogic and IBM Websphere servers. Later worked as a configuration manager on an in-house product which included maintaining the development environment and writing installation scripts.*
- Oct 2020 – intermittently since  
**Flutter Framework(<https://github.com/flutter/flutter>) Contributor**  
*Contributions involve adding features to the widget framework and tooling.*

## PROJECTS

- Aug - Sep 2019  
**SOIF (Mobile application, cloud based analytics, weather monitoring):** Created a mobile application for an automated drip irrigation system built using an ESP8266 with weather monitoring(soil moisture, illuminance, temperature and humidity). Works along with a REST API containing a MongoDB database.  
*Tech Stack: Flutter, ESP8266, Flask, MongoDB*
- Feb 2019 – Jun 2020  
**IoT Based Surveillance System(Object Detection, Edge Computing, Mobile application):** Created a surveillance system built using Raspberry Pi 3B+ which uses SSD Model trained on Caffe framework for efficient utilization of bandwidth and storage. Accompanied by a mobile application providing controls, notifications of detection and access to recorded footage.  
*Tech Stack: Raspberry Pi, Flutter, SSD CaffeModel, Cloudinary, Firebase*
- Apr 2020 – Present  
**Portfolio Website(Frontend web development):** Created a portfolio website built using Hugo static site generator with custom theme served through Github Pages. Lists blogs, OSS contributions, and projects. Previously built using HTML5 and CSS3.  
*Tech Stack: Hugo, HTML5, CSS3, GitHub Pages*
- May 2022 – Present  
**royarg-repo(Linux package maintainance, CI):** Created an unofficial Arch Linux package repository hosting custom packages of known softwares. Building and deploying packages in database are automated through Github Actions.  
*Tech Stack: Shell, GitHub Pages, GitHub Actions*