

ANURAG ROY

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OBJECTIVE

I am seeking a technical position on a software project, preferably free and open-source, that will improve user's experience of their everyday devices, while maintaining developer friendliness.

EDUCATION

- 2016 - 2020

Netaji Subhash Engineering College

Bachelor of Technology, Electronics and Communication Engineering; GPA: 8.35

Coursework: Analog and Digital Communication, Signals and Systems, Control Systems, Network Theory, Electronic Devices, Object Oriented Programming, Data Structures, Artificial Intelligence.

SKILLS

- Languages:** Dart, Shell, Java, HTML5, CSS3, C. *Prior experience C++, Python, Assembly, MATLAB*
- Frameworks:** Flutter, Hugo
- Tools:** Git, Bash, Github Actions, Github Pages, Android Studio. *Prior experience 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

At TCS I provided infrastructure support alongside a team to maintain several Oracle Weblogic and IBM Websphere servers. Later on I worked as a configuration manager on an in-house product which included, alongwith maintaining the development environment, writing shell scripts for installation.

- Oct 2020 – Present

Flutter Framework(<https://github.com/flutter/flutter>) Contributor

My contributions involve adding features to the framework; and to the flutter tool to resolve version from a commit hash and implementing a manual update check option for users.

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 development): Created a portfolio website built using Hugo static site generator with custom theme served through Github Pages which lists the blogs written, the OSS contributions, and the projects done. 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 of packages are automated through Github Actions.

Tech Stack: Shell, GitHub Pages, GitHub Actions