ANURAG ROY

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OBJECTIVE

I am seeking a technical position on a software project, preferably FLOSS, that presents itself as a viable alternative for the improvement of user and developer experiences.

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:** C, Java, Dart, Shell, Python, C++, HTML5, CSS3, Assembly, MATLAB
- **Frameworks:** Flutter
- **Tools:** Git, Bash, Android Studio, Jupyter Notebook
- **Platforms:** Linux, Windows, Raspberry Pi, Android, Web, Arduino, Firebase, GCP
- **Soft Skills:** Writing, Public Speaking

EXPERIENCE

- Nov 2020 – Present
  Tata Consultancy Services *Assistant System Engineer*

- Oct 2020 – Present
  Flutter Framework(https://github.com/flutter/flutter) *Contributor*

- May – Jul 2020
  Developer Student Clubs, NSEC: Full Stack Projects(Flutter) *Speaker*

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 bandwith 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 styling and development): Created a portfolio website using HTML5 and CSS3 served through Github Pages which lists the blogs written, the OSS contributions, and the projects done. Follows the HTML and web accessibility spec as much as possible.
  Tech Stack: HTML5, CSS3, Flutter, GitHub Pages

- May 2022 – Present
  royarg-repo(Linux package maintaining, 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