

ANURAG ROY

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EDUCATION

- July 2020, Kolkata, India
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.
- May 2016, Kolkata, India
Kendriya Vidyalaya, Ballygunge
High Secondary; Aggregate Score: 89.8%
- May 2014, Kolkata, India
Kendriya Vidyalaya, Ballygunge
Secondary; Aggregate Score: 95%

SKILLS

- **Languages:** C, Java, Dart, Python, C++, 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

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

PROJECTS

- Aug - Sep 2019
Soif - An application to monitor and display soil moisture content for drip irrigation(Mobile application, cloud based analytics, weather monitoring): Created a mobile application for an automated drip irrigation system with weather monitoring(soil moisture, illuminance, temperature and humidity) built using an ESP8266. 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 powered by 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

CERTIFICATIONS

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|-----------------|--|
| Coursera | <ul style="list-style-type: none">• The UNIX Workbench• Introduction to CSS3• Introduction to Git and Github• Neural Networks and Deep Learning• Introduction to HTML5 |
| DataCamp | <ul style="list-style-type: none">• Introduction to Python• Intermediate Python |
| NPTEL | <ul style="list-style-type: none">• Problem Solving Through Programming in C• Introduction to Programming in C |