Anindya Kanti Mitra

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GitHub | Linkedin

EDUCATION

KALYANI GOVERNMENT ENGINEERING COLLEGE August 2019 - August 2023

Bachelor of Technology Electronics and Communication Engineering Kalyani, Nadia, West Bengal

GPA: 9.16

EXPERIENCE

MIND WEBS VENTURES | IoT and EC Engineer Work from home, West Bengal | July 2020 – Present

- IoT and EC Engineer, also does Backend (Node-Express-MongoDB) and Frontend (Angular) development in non-production projects

ADBEN INDUSTRIES PVT. LTD. | PCB Designer Work from home, West Bengal | Jun 2021 – Present

- PCB Designing for Embedded Systems. Built few multi-layer PCBs on KiCAD under non-disclosure.

KGEC ROBOTICS SOCIETY | Board of director Kalyani, Nadia, West Bengal | April 2020 – Present

- I have been a member since my first year of study in KGEC. I have participated in Flipkart Grid 3.0 under the team name 'Monokrome', under the club. I am currently managing all the activities under KGEC Robotics Society.

DSC KGEC | Technical Lead Kalyani, Nadia, West Bengal | December, 2019 – Present

- I worked in the domain of IoT and Electronics. I was the maintainer of the project Cleanurge under KSOC. I have built projects on Socket IO, ESP8266, SIM800L GPRS module, HTTP and AJAX on embedded systems.

SKILLS

Programming Languages	Embedded C/C++ | JS/TS | Python
Libraries/Frameworks	Firebase, Node-Express, Angular, Arduino
Tools / Platforms	VS Code, Platform IO, STM32IDE, Arduino IDE, KiCAD, Postman
Databases	Mongo Database

PROJECTS / OPEN-SOURCE

FLIPKART GRID 3.0 | Link MQTT, Python, Embedded C++, TinkerCAD, Arduino Framework, Platform IO

We built an centralized Open CV based maze-solver to control multiple bots with unique ArUco identifiers. The IoT bots, connected to Wi-Fi, had to unload a package at a specific site as per the Maze predicted by a central camera whose real-time footage was fed to an open-cv program based on python. MQTT was used for Realtime communication with the robots and the Python application in the same wifi network.

ANGULAR PUMP Angular based Progressive Web App which connects with Firebase Realtime Database to control a pump using a 30A capable DIY IoT switch based on ESP8266.

ENVION A project under Mind Webs. It is an RFID based access control using IoT for use in institutions or rooms in offices. I wrote the entire firmware for the ESP32 RFID Scanner module. I wrote most of the frontend code on Angular to show the data in tabular dashboard. I have also worked on the Backend a little bit.