# Anubhav Dutta

Pune, Maharashtra

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## EXPERIENCE

### L&T Precision Engineering Systems
*System Design Engineer*    *Jul 2023 - Present, Pune, Maharashtra*

**Radar Power Systems**
- Specializing in Radar Power Systems, involving switch-gear selection for individual units, cable routing, harness chart preparation.
- System scheme preparation using Zuken E3, general arrangement preparation using AutoCAD, cable routing in system layout using Siemens UGNX.
- Collaborating cross-department and with vendors, suppliers to prepare technical specifications of units and components.

**Product Life-Cycle Management**
- Part creation along with their specifications, involving decisions like EMI/EMC compatibility, obsolescence date calculation.
- Making BOM for Power Distribution Units(PDU), Panels and junction boxes.

**Tools used:** Dassault 3DEXPERIENCE ENOVIA, Siemens NX UGNX, Zuken E3, AutoCAD, QT5

### Siemens Mobility India
*Project Management Intern*    *July 2022 - August 2022, Gurgaon, Haryana*

**Competency and Compliance Management**
- Developing sharePoint pages for project Managers/ commercial Project Managers competency management, compliance management using IBM Engineering Requirement Doors.

**Tools used:** MS Sharepoint, MS Excel, PowerBi, IBM Engineering Requirement Doors

### Artificial Learning Systems
*Assistant Software Engineer Intern*    *January 2022 - March 2022, Kolkata, West Bengal*

**Remote Annotation System for Diabetic Retinopathy Centre**
- Developed real-time operable webpage using AngularJS, SocketIO.
- Built joystick based controllable 3-axis frame using ESP32, and RaspberryPi utilising RTOS.

**Frameworks used:** SocketIO, AngularJS, RTOS, ESPIDF, Linux

### Bufo Innovations Pvt. Ltd
*IoT Application Developer Intern*    *December 2021 - January 2022, Kolkata, West Bengal*

**Narrow Band IoT gateway for energy meters**
- Developed code, assembled hardware prototype, made schematics for IoT Gateway linking to PLCs using Modbus RS-485 for monitoring energy meters and industrial sensors.
- Optimised code using ArduinoJSON to send minimised payload enabling narrowband communication to AWS database fetching the payload.

**Frameworks used:** Arduino, EasyEDA, KiCAD, Linux

## SUMMARY

I'm an avid Embedded Systems and IoT enthusiast with a good background in electronics design. My expertise lies in micro-controller programming, IoT solutions and electronics design. I am dedicated to continuous learning.

## SKILLS

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|---|---|
| **Back End** | Javascript, Java |
| **Front End** | HTML, CSS, JavaScript |
| **Embedded** | C, C++, Python |
| **Frameworks** | NodeJS, AngularJS |
| **Protocols** | UART, MQTT, BLE, RTOS |
| **Misc** | Verilog, KiCAD |

## EDUCATION

**Kalyani Government Engineering College**
**West Bengal, India**

*Bachelor of Technology - ECE*
GPA: 9/10

## ACHIEVEMENTS

**Siemens Scholar 2019**
*SMSCP Level 1 Qualified*

- PLC Ladder Programming
- SCADA Basics

## LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Bengali (Native)

## PROJECTS

- Fault Detection System
- 8-Bit ALU Design
- Micro Servo Bot
- Pong Game