

Anubhav Dutta

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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, general arrangement, system cable routing.
- Experienced in VME (Versa Module Europa) bus-based systems, with expertise in system integration, data handling, and high-performance applications for defense and industrial automation.
- Proficient in designing and programming PLC-based control systems, including ladder logic, structured text, and function block diagrams.

Product Life-Cycle Management

- Bill of Material creation, obsolescence management for Power Distribution Units(PDU), Panels and junction boxes.

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

ARTIFICIAL LEARNING SYSTEMS | ASSISTANT SOFTWARE ENGINEER INTERN

January 2022 – March 2022 | Kolkata, West Bengal

- Developed a real-time operable webpage using AngularJS and SocketIO.
- Built a joystick-based controllable 3-axis frame using ESP32 and Raspberry Pi, utilizing RTOS.

Frameworks used: SocketIO, AngularJS, RTOS, ESP-IDF, Linux

BUFO INNOVATIONS PVT. LTD | IoT APPLICATION DEVELOPER INTERN

December 2021 – January 2022 | Kolkata, West Bengal

- Developed code, assembled hardware prototype, and designed schematics for an IoT Gateway linking to PLCs using Modbus RS-485 for monitoring energy meters and industrial sensors.
- Optimized code using ArduinoJSON to minimize payload size, enabling narrowband communication to an AWS database.

Frameworks used: Arduino, EasyEDA, KiCAD, Linux

PROJECTS

SPARKS INTERN | FAULT DETECTION SYSTEM

September 2021 – November 2021

- Fault detection of items using openCV and MQTT.🔗

BITWISE-8 | 8-BIT ALU DESIGN

Jan 2022 – Feb 2022

- Designed and implemented a simple Arithmetic and Logic Unit (ALU) to perform fundamental logical operations for testing and validation.🔗

EDUCATION

KALYANI GOVERNMENT ENGINEERING COLLEGE

Kalyani, West Bengal

BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION
June 2019 - July 2023

Cum. GPA: 9.0 / 10.0

SKILLS

PROGRAMMING

C • C++ • Python
JavaScript • Java
Verilog • HTML • CSS

FRAMEWORKS

NodeJS • AngularJS • RTOS
UART • MQTT • BLE

EMBEDDED SYSTEMS & TOOLS

ESP32 • Raspberry Pi • KiCAD
Modbus RS-485 • Embedded Linux

CERTIFICATIONS

Siemens Scholar 2019
SMSCP Level 1 Qualified

LANGUAGES

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

LINKS

Github: [anubhav666](#)
LinkedIn: [Anubhav Dutta](#)