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**