

PRADYUMNA G NADIGER

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github.com/pradyumnagn

Experience

InQore Systems

Mar 2025 - nov 2025

Design engg

hybrid

- Currently working in the Raspberypi pico Board designing team
- **Skills Enhanced:** DataSheet Design · KiCad

Nandi PowerTronics, Bengaluru

Jan 2024 - April 2024

Student Intern

Onsite

- worked as a PCB testing engineering
- hands on PCB masking, assembling, soldering, coating

Education

Dayanand Sagar College of Engineering, Bengaluru

2024 - 2027

Autonomous, Affiliated to VTU

Aggregate: 7.2 CGPA

Bachelor of Engineering in Electrical and Electronics Engineering

MEI Polytechnic, Bengaluru

2021 - 2023

Aided

Aggregate: 80.4 percent

Diploma in Electrical and Electronics Engineering

Projects

Smart Security System using IoT | *Arduino uno*

Nov 2025 - Ongoing

- * Smart security using Fingerprint, RFID and passkeys to unlock the door and a display for monitor.
- * about to add the camera module and microphone to analyse the emergency and to detect the irregularities.
- * Implimented in house practically.

Monitoring and Controlling the renewable energy using Iot | *esp32*

March 2025

- * Monitoring the voltage, temp and current of the solar panel using sensors.
- * Controlling the number of panels using relays.
- * Automated the sytem in dasboard and blynk application.

github.com

Flag controlling using Application | *esp32*

Dec 2024

- * Created own application using mit app inventor for automatic flag hoisting.
- * to lower the flags when there is sudden rain and lowers at dark.

github.com

Collection of RTL Codes | *Verilog · RTL Design*

Sep 2025

- * This hobby project includes a collection of RTL codes, featuring components such as flip-flops, adders, latches, multiplexers, encoders, ALUs, counters, RAMs, ROMs, and more.

github.com

Technical Skills

Languages: Verilog · SystemVerilog · Python · HTML

Hardware Design & Synthesis: Xilinx Vivado/ISE

Software Development: EDA Playground · Simulink · AMD · SciLab · AutoCad · KiCad

Development Boards: ESP32 and cam module · Arduino UNO

Technologies/Frameworks: LT spice · Matlab · Arduino IDE

Major Courses

Power System Protection and Switchgear, IIT Roorkee

Introduction to Robotics Process Automation, Infosys SB

AutoCad Electric, Udemy

Workshops

Electrical Switchgear and their Applications, DB Son

RTL Design and Verification using Verilog HDL, VLSI First