**SYAMALA NITHIN**

**PROFILE**

Experienced in demonstrating and designing Power Electronics and drives. To secure a Entry level position in an esteemed organization with knowledge on both domain and IT skills which are useful to expand my learnings and skills and beneficial to organization. Studied and closely observed the operational aspects of Power Electronic Systems for Industrial Machinery, Power Generating stations and for Grid tied Solar Power System. Team spirited with effective Communication and Presentation Skills and superior time management and problem solving abilities.

**EDUCATION**

* **M.Tech Power Electronics and Drive**

**CGPA – 6.73 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **B.Tech Electrical and Electronics Engineering**

**CGPA – 7.2 / 10**

* **Class 12** – 79.8% **2019**

Institution:

* **Class 10** – 88% **2017**

Institution:

**TECHNICAL INTERESTS**

EV, Industrial Machinery, Power Electronic Systems

**PROJECTS**

●**Design and Simulation of Roof Top off Grid Solar Panel For Electric Vehicle**  **Charging** (Amrita Vishwa Vidyapeetham) 2023 (**Ongoing)**  
•**Test cycle Simulation of an Electric Car with Regenerative Braking** 2nd Semester (Amrita Vishwa Vidyapeetham) 2022   
●**A Four Switch Single Stage Single phase Buck Boost Inverter**  (Sri Indu college of Engineering Hyderabad ) 2019

●**Developed Hardware Module Buck Boost converter with Triggering circuit** (Sri

Indu college of Engineering and Technology) 2019

●**Developed Hardware power backup module for 1bhk house using solar panels and**

**batteries** (Sri indu college of Engineering and Technology) 2018

**TECHNICAL SKILLS**

MS Power point, MS WORD, MS EXCEL, MATLAB/Simulink, LTspice

**INTERNSHIP**

**•Continental Automotive Components (India) pvt. Ltd Bangalore Support to CI** (Continuous Integration) activities in Advanced Driver Assistance System (ADAS) from (01-AUG-2022 TO 01-AUG-2023)   
➢Worked for Automation of HONDALong Range Radar(ARS) Project in contest tool and PyCharm IDE using Python from (AUG 2022 TO JAN 2023)   
 Tools: CANoe,xcpDownload,Contest tool   
➢Working for Test case Generations on ADCU(Automated Driving Control Unit) For HONDA project   
 Tools: GitHub,CANoe,Vtstudio.

**CERTIFICATIONS**

• Art and Science of PCB Design with Eagle **(UDEMY)** • Fundamentals of Power Electronics (**NPTEL**)

**LANGUAGES**

Telugu,English