

# KASTHURI V

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## CAREER OBJECTIVE

A dedicated Electrical Engineer with a passion for EVs seeking to work in a reputed organization where I can utilize my technical skills and grow my career in high-level professional environment.

## EDUCATION

- |  |                |
|--|----------------|
| ▪ Master's certification program in (E-Vehicle Design and Development), Skill Lync | <i>Present</i> |
| ▪ B.E, Electrical and Electronics Engineering, Anna University, Chennai   77.2 %   | <i>2022</i>    |
| ▪ 12 <sup>th</sup> , Velammal Mat. Hr. Sec. School   77.5%                         | <i>2018</i>    |
| ▪ 10 <sup>th</sup> , Velammal Mat. Hr. Sec. School   92.8 %                        | <i>2016</i>    |

## TECHNICAL SKILLS

- **Programming language:** Python, Embedded C, C
- **Software Tools:** MATLAB, Arduino IDE, STM32 IDE, Simule IDE, Tinker CAD.
- **Protocol exposure:** CAN, I2C

## ACADEMIC PROJECTS

- **Design and Development of Drone for spraying fertilizer**  
A drone-mounted spraying system for agricultural applications and disinfection spraying cuts manpower, time, expense, and risks to the individuals spraying the liquids.
- **BLDC motor based solar water pump**  
This research focuses on the usage of a Landsman converter for maximum power point tracking in an SPV array-based water pump powered by a BLDC motor. Besides this, we identify the Power Factor Correction and Total Harmonic Distortion.

## INTERNSHIP

- |                                       |   |
|---------------------------------------|---|
| ▪ Tractors And Farm Equipment Limited | <i>(4<sup>th</sup> Apr'22 – 13<sup>th</sup> Apr'22)</i> |
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## ACHIEVEMENTS

- Rajya Puraskar Award | The Bharat Scouts and Guides
- State Level Yoga Championship | Gold Medal
- All-India Inter-state Invitational Yoga Championship | Bronze Medal

## LANGUAGES

- English (Full Professional Proficiency)
- Tamil (Native Proficiency)