

YUVANSHANKAR VIJAYAKUMAR

📍 CHENNAI, INDIA 📞 +91 90034 95917

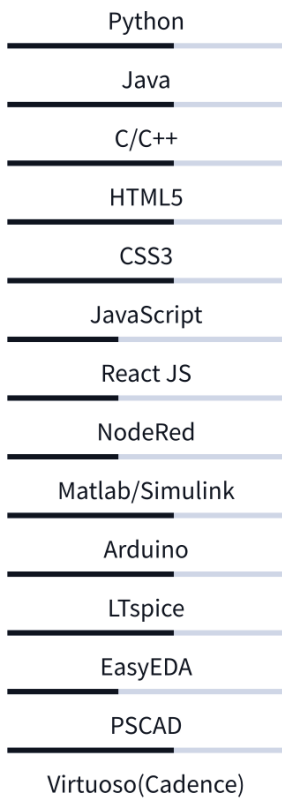
◦ DETAILS ◦

Chennai
India
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yuvanshankar1492@gmail.com

◦ LINKS ◦

[Portfolio](#)
[Github](#)
[LinkedIn](#)

◦ SKILLS ◦



◦ LANGUAGES ◦



◦ HOBBIES ◦

Learning new skills
Reading novels
Theatre
Workout

🎓 EDUCATION

- **B.Tech in Electrical and Electronics, Vellore Institute of Technology, Chennai**
September 2020 — Present
Cumulative GPA: 8.29/10.0
- **Sri Sankara Vidyashramam Matriculation Higher Secondary School, Chennai**
June 2017 — March 2020
Higher Secondary Academics, Percentage: 88%
Secondary Academics, Percentage: 92.2%

★ UNIVERSITY PROJECTS

- **High Gain Non-Isolated Quartic Converter, Chennai**
August 2022 — Present
Designed and simulated a quartic boost DC-DC converter with a gain of 33.3 (12 V - 400 V) and with an efficiency of 93%. Conference paper in progress expected publication before April.
- **Long Range Smart DC Grid Powered By High Gain DC-DC Converter, Chennai**
December 2022 — Present
The range of transmission of the DC grid is limited due to the low voltage levels of PV panels. So we are using a novel high gain DC-DC converter to step the voltage from 12-400V and a three phase inverter is added at the consumer end. Hardware implementation is in progress.
- **Movie Searching WebApp, Chennai**
October 2022 — November 2022
Developed a [Movie Searching WebApp](#) based on ReactS using a WebAPI.
- **Research On IoT Based Smart Waste Segregator For Smart Cities, Chennai**
August 2022 — November 2022
IARES2022 featured our review article on the topic “IoT Based Smart Waste Segregator for Smart Cities.”
- **Number Plate Recognition Using Machine Learning , Chennai**
January 2022 — April 2022
Developed a model that can recognize the number plate of a vehicles using Machine Learning.

🐦 EXTRA-CURRICULAR ACTIVITIES

- **Key Member at Tamil Arts and Literature Club, Chennai**
January 2023 — Present
Organized and advertised events with 300+ participants.

★ COURSES

- [VLSI System On Chip Design](#) by MAVEN SILICON
- [PCB Designing Workshop](#) by RAPTEE