

Contact

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Top Skills

Python (Programming Language)

machine learning

Analog Circuits

Languages

German (Limited Working)

Telugu (Native or Bilingual)

Hindi (Professional Working)

Nikhil Yelamarthy

Electrical engineering undergraduate at IIT Madras
Chennai

Summary

Electrical engineering undergrad at IIT Madras.

I am strongly interested in sustainable energy technologies and believe in developing technological solutions to combat climate change. I am highly interested in the field of smart electric grids and electric vehicles.

I am also keenly interested in machine learning and data science and their applications in various fields.

Experience

Team Avishkar Hyperloop

Propulsion Engineer

March 2019 - Present (1 year 6 months)

Chennai, Tamil Nadu

Worked on designing a linear induction motor for contactless propulsion, thus decreasing frictional losses, enabling high speeds of the range 900kmph

Uton Energia

Firmware development and Machine learning intern

May 2020 - July 2020 (3 months)

Hyderabad, Telangana, India

Worked on the fault detection system for the motor drive, using deep learning methods like LRCN.

Also, worked on the tire pressure monitoring system of the electric bike using bluetooth low energy[BLE] and embedded C programming

E-Cell IIT Madras

Associate Manager

October 2018 - March 2019 (6 months)

Was a part of the editorial and research team and helped compile our college's annual Entrepreneurial magazine for the year 2019 - Entrepreneurship insider 2.0

Education

Indian Institute of Technology, Madras

Dual degree (Btech + Mtech), Electrical, Electronics and Communications Engineering · (2018 - 2023)