

# Sudiksha Suresh

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Student at IIT Madras

4th Semester

BTech in Engineering Physics

## SKILLS AND RELEVANT COURSEWORK

- **Programming Languages and Software:** Python (Skykit-Learn | Tensorflow | Matplotlib | Numpy), Verilog, EasyEDA, Arduino IDE, LaTeX, LTSpice, Mathematica, MATLAB, AutoCAD, Fusion360
- **Specialized Skills:** PCB Design, Machine Learning (Computer Vision)
- **Coursework:** Probability and Statistics, Computational Physics, Digital Signal Processing, Analog Circuits and Lab, Digital Systems

## EXPERIENCE

- Currently working on a project that looks into **Applications of Quantum Mechanical Principles in Evolutionary Algorithms**.
- Interned at **Tvam Global Holdings** that involved conducting comprehensive market analysis, evaluating stock performance, and identifying investment opportunities.

## POSITIONS OF RESPONSIBILITY

- Coordinator at **Shaastra 2025**, IIT Madras' Annual Tech Fest
- Project Member at **Team Anveshak**, Robotics
- Deputy Coordinator at **Finance Club**, IIT Madras
- Associate Manager at **Entrepreneurship Cell**, IIT Madras
- Deputy Coordinator at **Writing Club**, IIT Madras

## ACHIEVEMENTS

- Was selected to represent IIT Madras, in **Inter-IIT Tech Meet 12.0** for a Case Study Competition
- Lead a team of 8 to organize the first-ever student-run Future Cities Conference, with a budget of over **INR 7L**
- Developed a **Rock Detection Model** for Team Anveshak's Rover using a custom dataset
- Was selected as a probable for **IIT Madras' Volleyball Team**

