VARDAN CHETTRI

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About

Physics student with a deep curiosity to explore and grow with interest in artificial intelligence, electronics, and web/app development. Through hands-on experience with Arduino projects and developing websites using Python, I've built a good foundation in both technology and physics. Particularly passionate about learning how these areas intersect, from AI to the hardware for innovating projects that bridge these fields.

TECHNICAL SKILLS

Basic Scilab simulation	Automation	LabView
Python	Assembly Language	Photoshop

PROJECTS

Dual Axis Solar Tracker
Utilizing an Arduino and an LDR sensor, I created an automatic dual-axis solar tracker that follows the sun, ensuring that the solar panel is always oriented toward the sunlight.

Hackathon
Achieved first place in the hackathon conducted by **IIT Madras** in the DIR-V Symposium, using a microcontroller VSD squadron mini in Hardware/product track.

Synthesis of SNP
Synthesis of **Silver Nanoparticles** was done as my general lab project, and was able to synthesis nanoparticles up to 50nm and further to use it an application.

Web Development
A website was created for the Department of Physics, featuring the General Lab Experiments section. This allows users to perform calculations virtually and receive a report detailing the results and objectives.

EDUCATION

Sri Sathya Sai Institute of Higher Learning

Bachelor of Sciences (Hons.) in Physics
Grade : A

Certificates and Interests

- **Artificial Intelligence Fundamentals by IBM**

- **RISC-V and VLSI Roadshow by VLSI SYSTEM DESIGN**

- **VLSI Internship Issued By VSD, Samsung**

INTERESTS

- Neurophysics
- Cosmology
- App development
- Image processing
- Microcontrollers