**Sidharth S Menon**

**EDUCATION**

* **M.Tech** **Renewable Energy Technology**

**CGPA – 7.32 / 10**

Amrita Vishwa Vidyapeetham

* **B.Tech Electrical and Electronics Engineering**

**CGPA – 9.32 / 10**

* **Class 12** – 75.33%

Institution:

* **Class 10** – 76.6%

Institution:

**TECHNICAL INTERESTS**

Renewable Energy

**PROJECTS**

**Renewable energy P2P trading via blockchain technology**

P2P enabled blockchain technology for renewable

energy trading

Using this method it has aided in many areas, most

notably in lowering the cost of electricity bills for customers. Prosumers can also earn profit from this strategy.

**Ultra Protection Circuit Breaker**

Surface Leakage Protection, which focus on

electrocution protection before electrical accident happen, and immediately remove the supply to an appliance before a person can be electrocuted.

**Wind Turbine Blade Analysis in QBlade**

•Designed blades using NACA 4020 and SG 6043 airfoils.

•Blade Design is compared on various parameters.

**Energy Auditing in Academic Block 2 in Amrita**

•Collected the details of number of fans and lights in the building.

•Energy efficiency improvement measures were

suggested

**Flow Battery Based Electric Vehicle**

•Integrating vanadium redox flow battery in electric

vehicle rather than lithium ion battery.

**Solar Based Railway Track Fault Detection System**

•Railway track fault detection system using infrared rays, it works on solar energy.

**TECHNICAL SKILLS**

Homer, PVsyst, Python, windPRO, WASP, MATLAB, QBlade

**INTERNSHIP**

**Internship, Beta technology**2016 | Coimbatore, India   
Five day training in embedded system

**LANGUAGES**

English, Malayalam, Tamil, Hindi