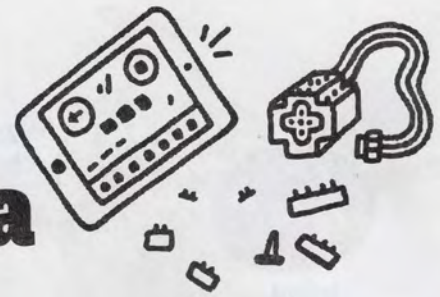
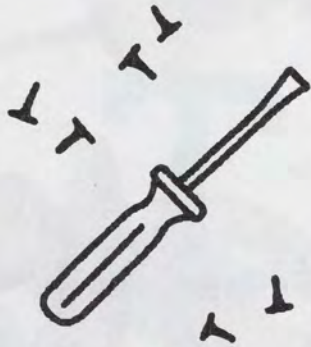


By Robert Lerosé



Prince Nallamothula

This 11-year-old inventor built a model for a robot that will let people farm remotely.

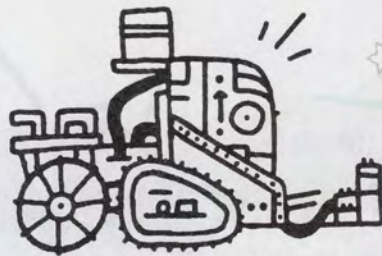


1 HOW DID YOU START INVENTING?

I've always played with Legos, and I just like building things whenever I can. Sometimes I take apart old things, like computers, and I look at all the stuff inside and then put them back together. And I just like to code.

2 WHAT DOES THE INVENTION DO?

Gr-Robot is a prototype for a solar-powered robot that will help farmers farm from anywhere in the world and do a lot of their hard work. It has cameras for live video, a blade to mow, and a seed-planting dispenser, and it can activate a sprinkler system based on soil moisture.



3 WHERE DID YOU GET THE IDEA?

My mom was talking about not having enough space on our apartment balcony to grow all her plants, and I started thinking about ways to solve the problem. Then I thought, *What if we planted in a different location from where we live?*

4 HOW LONG DID IT TAKE TO BUILD?

Two to three months. First I drew out designs and the features I wanted. Then I made my first prototype, using a Lego Boost kit. The prototype had motors and everything to help it move around. After that, I had to do all the coding to get the robot to be functional and not just a model.



5 YOU'VE ALSO INVENTED APPS AND A GAME. WHAT'S YOUR SECRET?

I try to understand real-world problems like recycling, family wellness, and kids' hygiene. Then I do what I can at my level to solve them. Whatever your favorite subject is, pursue it, never give up, and try to do as much as you can to accomplish your dream.