

# Speaker



@jchakrabarty

in @jchakrabarty

**Jaydeep** works Capability Development lead for **Thoughtworks India**. For the last 15 years he has played multiple roles like Fullstack Developer, worked as Infradev orchastraiting infrastructures for projects. He also worked as XD and VD, creating interaction and experiences for clients As a QA, he has worked on tools like Webdriver(Various bindings), Taiko, Puppeteer, RestAssured, Karate, Appium, Jmeter, Gatling, Locust, Taurus etc. He is a Certified Ethical Hacker, and works as an Evangelist in software security.

Apart from this, he has been contributing to the open source community for the last 15 years. Among the various open source projects across tech-stacks that he has contributed to are Talisman, OpenStack projects, Report-mine, Taiko, etc.



# WHAT IS A DIGITAL CHESS BOARD

#### PHYSICAL, NOW DIGITAL

A Technology that converts moves made on physical chess boards to digital format. These are also used for learning and recording games. On bigger chess tournaments, these are used to stream Grandmaster games









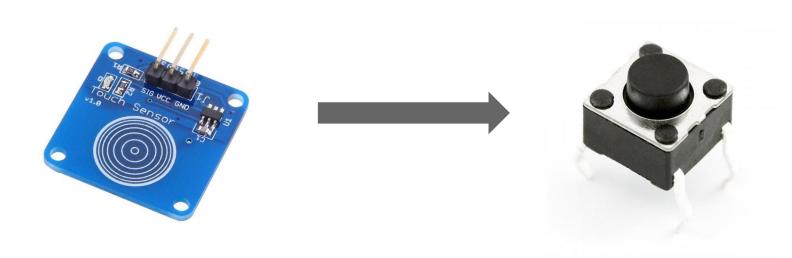
# AN AFFORDABLE DIGITAL CHESS BOARD







# SENSORS COST MORE, CAN THIS BE REPLACED?



## 8 x 8 - Push button Matrix

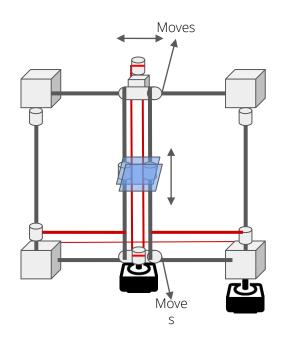




#### WE WANTED TO GO BEYOND DIGITAL CHESS BOARD

We want to create a intelligent robotic arm that, plays with the player





### AND WE BUILT THE DESIGN AS WELL



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# BACK TO THIS

The electromagnet was not able to hold the pieces



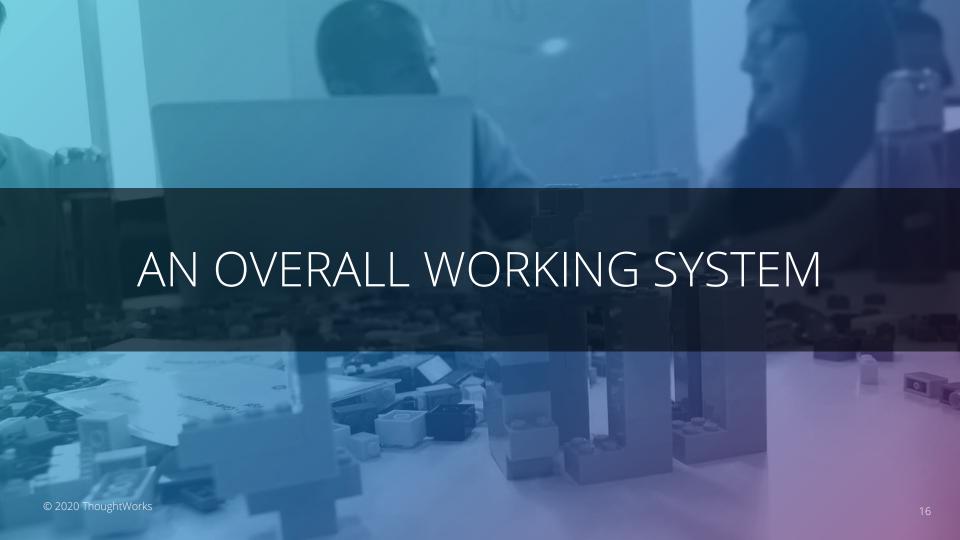


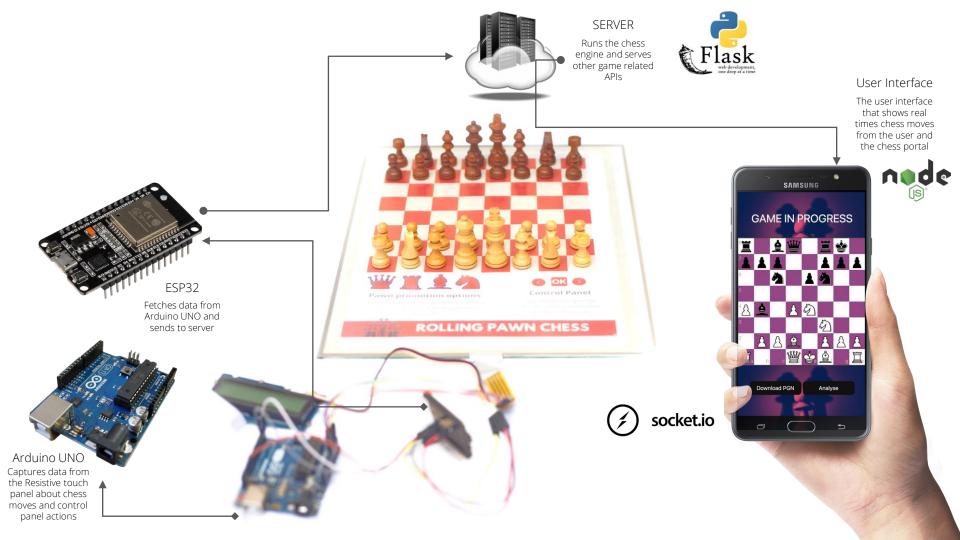


### THE FINAL SOLUTION

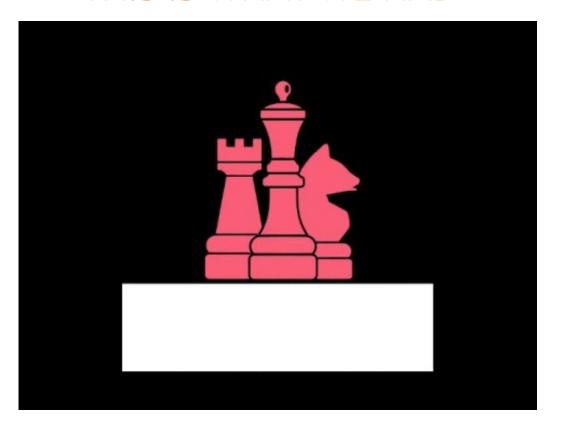


RESISTIVE TOUCH PANEL

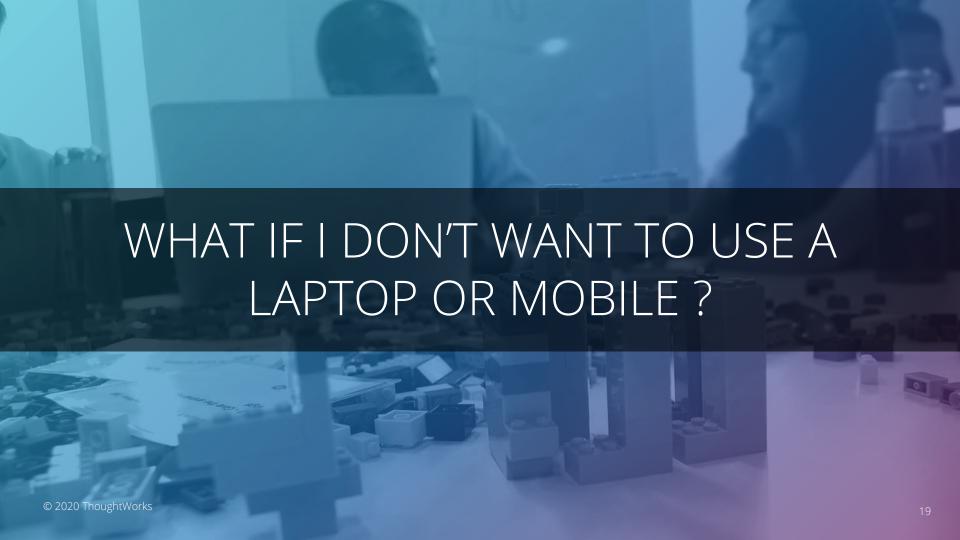


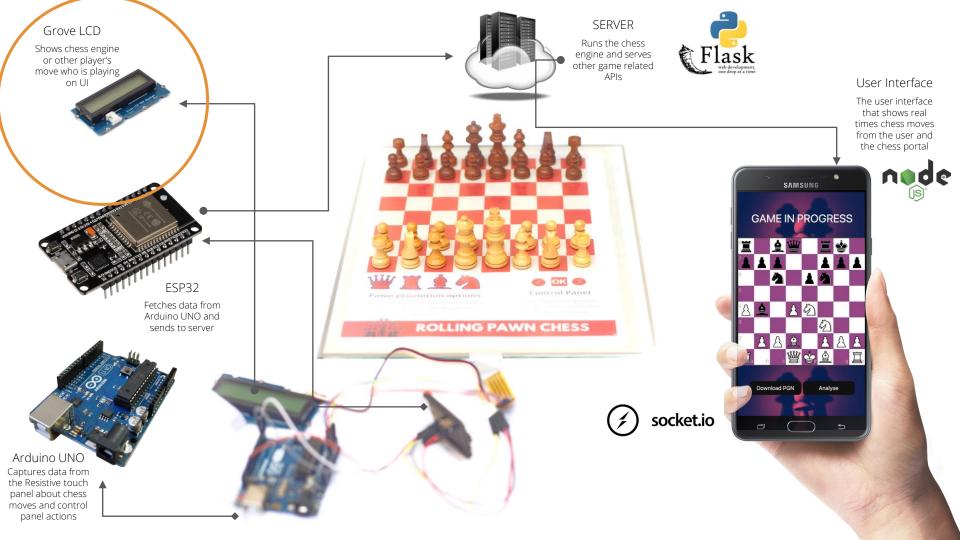


# THIS IS WHAT WE HAD

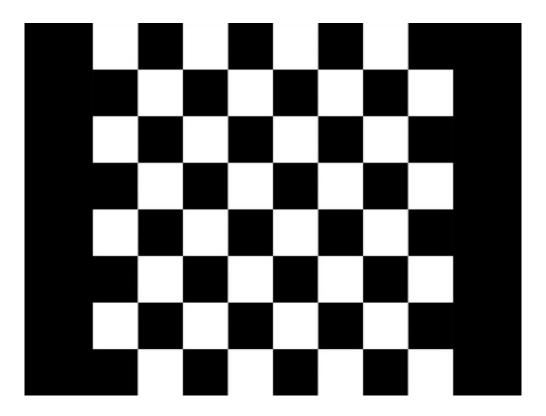


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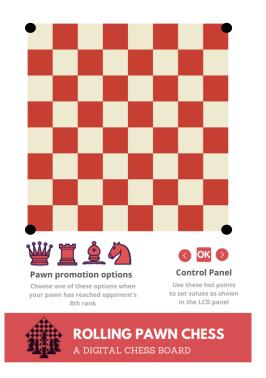




# **INTEGRATED THE LCD**



#### IT'S TIME TO UPGRADE THE BLACK AND WHITE BOARD

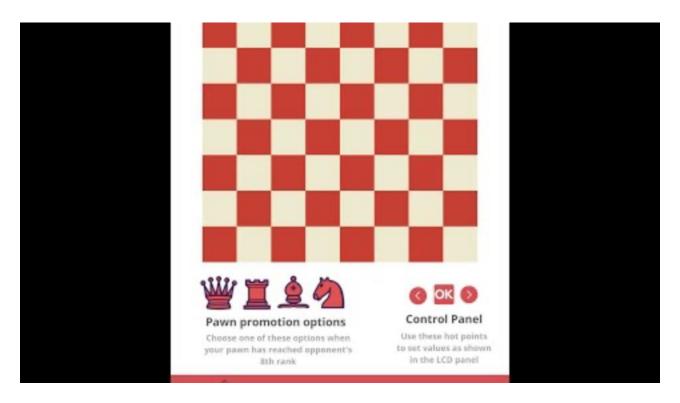




#### **Control Panel**

Use these hot points to set values as shown in the LCD panel

### **DEMO**



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#### IT'S ACTUALLY THE PANEL

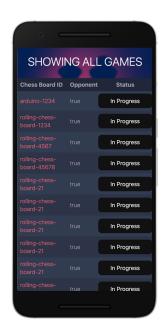




#### **ADDING A NATIVE APP**









## SAGAR SHAH, CEO - CHESSBASE INDIA



















Athul PR
Developer and
Mechanical Engineer



Ankon Chakraborty
Developer



Kanishka Kuksal
Developer and
Electrical Engineer



Dheeraj Pundir
Developer



Nipun Kanade Developer



Suhas Vishwanath Developer



Jaydeep Chakrabarty
Developer and
Product Owner



Harinee Muralinath
Special thanks to
Harinee for continuous
support and ideas

