

# You are fortunate but for the visually impaired it's a dark world

Shubham Banerjee



Innovating for good:

My experiments as a 12-year old innovator





My Journey of discovery started in 2014 @ Age 12 A "kid" had to step in because all of us failed to be an inclusive society



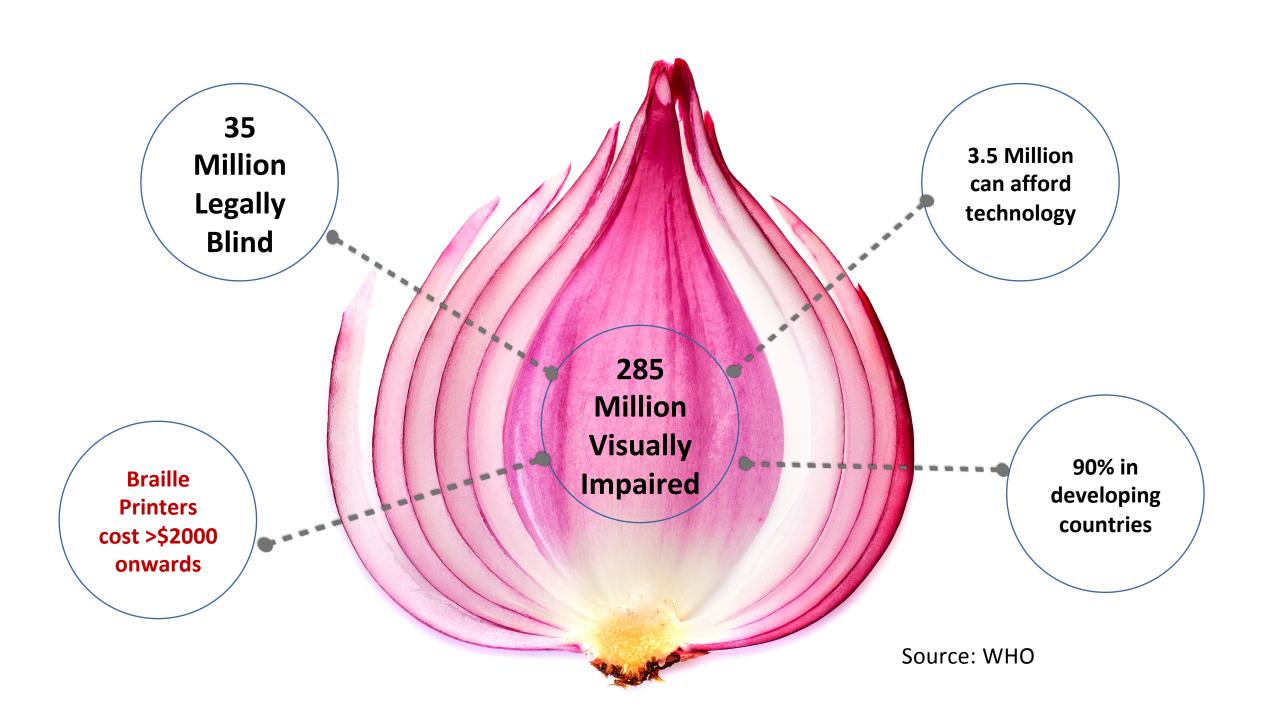
My journey started with a question to my parents "How do Blind People Read?" and their response

I don't know,

Google it.

-Year 2013 - December

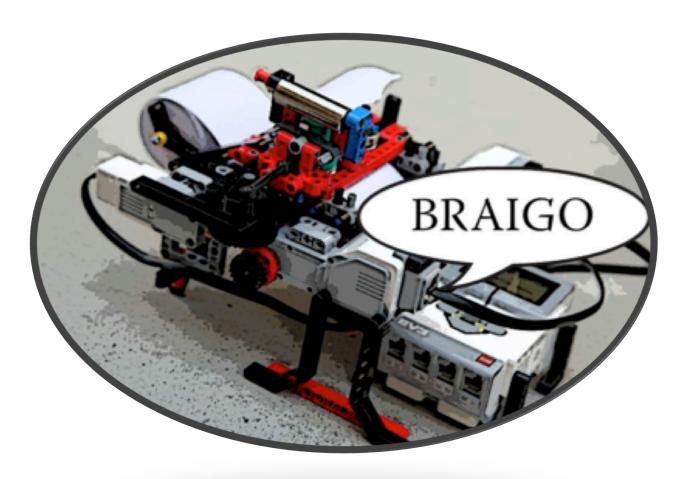






We simply failed to be INCLUSIVE in our innovation approach

### And it all started with a smart toy



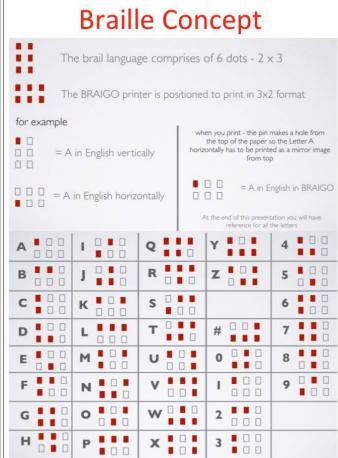
- Lego was fun for me
- I could tinker at home
- Now I know the concept works after one month of effort

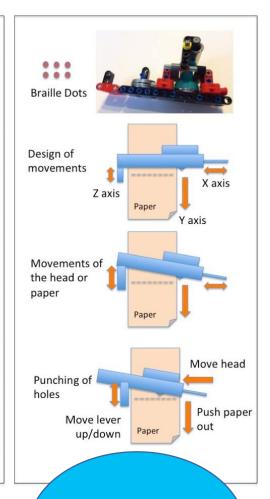
Why are Braille Printers so costly?

BRAIGO 1.0 – "Braille" + "Lego"

#### Braigo one pager concept









Opened Sourced it

#### Life as I knew it, changed – not only for me but my family







Lego Mindstorms Maker Team – They Treat me so well and make me feel that I am one of their own





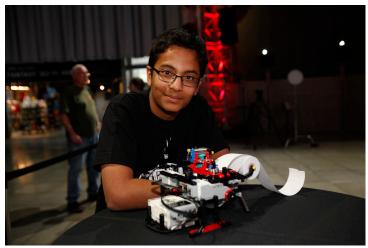


Meeting Inspirational People
Dale Daugherty – The founder of Maker Fair
Soren Torp Laursen – Lego President
And of-course Bill Nye (The Science Guy)

### Opened up a new idea #BotsforGood

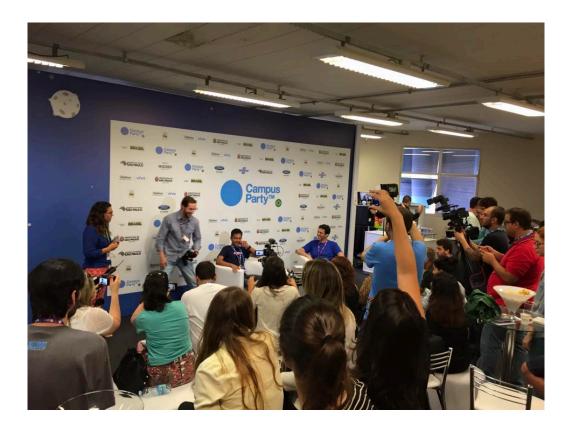






Many loved the idea that I tried to build something that will help someone else































My Dad became my angel investor. I needed money, I told him to take it from my college fund. Well he took it out from his retirement fund.

September 2014

### A new kind of Braille Printer @IDF 2014

- Almost Silent
- Low Cost
- On Chip conversion of Braille –
   No extra Software needed \_\_\_\_\_
- Portable
- Connected Printer







# Birth of Braigo 2.0



### Vision



**Braigo Content Cloud** 



**Content Consumption** 





Mobility

### Continuous Innovation



#### 13-year-old Santa Clara entrepreneur joins with Microsoft

By Heather Somerville / May 18, 2015 at 12:29 PM



One of the biggest tech companies is getting behind one of the youngest tech entrepreneurs.

Microsoft has partnered with Santa Clara eighth-grader Shubham Banerjee to help the



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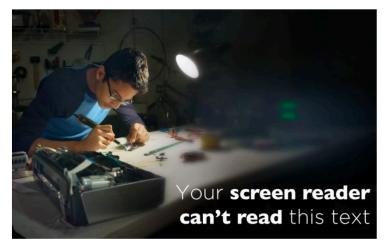
Facebook
Apple
Fundings & Exits
Cybersecurity 10





Haje Jan Kamps 2 years ago

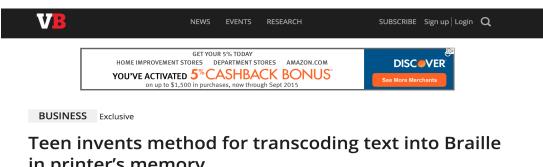
Comment



The internet is all about sharing information, but a lot of the information shared assumes that its users are able to rely on their senses to consume said information.

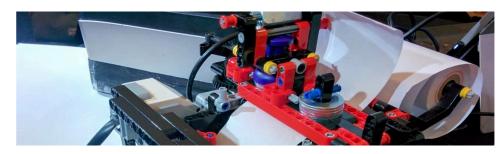
in pase, and for the more than 285 million people around the impaired, browsing the 'net can be a less than fruitful

### Think Different



in printer's memory

DANIEL TERDIMAN FEBRUARY 4, 2015 9:00 AM TAGS: BLIND, BRAIGO LABS, BRAILLE, INTEL CAPITAL, INTEL EDISON





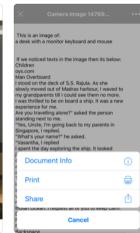
## Braigo Accessibility App

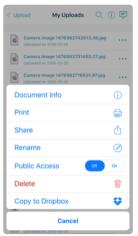
WEB APP & iOS APP

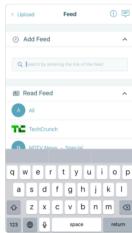


BRAIGO LABS™ LAUNCHES
"BRAIGO ACCESSIBILITY
COMPANION" APP FOR
IPHONES AND IPADS











# Soul searching needs to happen

The Atlantic Popular Latest Sections >

#### EDUCATION

#### Why Did Intel Quit the Science Fair?

It may have found something shinier.

HANA SCHANK OCT 13, 2015



Shubham Banerjee invented a low-cost machine to print Braille and brought it to Maker Faire, a new Intel investment. (MARCIO JOSE SANCHEZ / AP)

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It may have been a <u>summer filled with high-profile breakups</u>, but for educators, perhaps the most shocking split came this September—not in Hollywood, but Silicon Valley—when Intel and the Science Talent Search (STS) announced they were ending their 17-year relationship. Like a jilted lover, the Society for Science & the Public announced it would be seeking new sponsorship for its high-school competition, which has effectively served as the country's



40+ International & national awards and recognitions for Innovation later....



Managing my passion and maintaining a regular school life was a challenge.

But, I tired to balance to be a normal teenager and expectations from the outside world.

### Key Takeaways

Innovate for the right reasons, money is not one of them

Technology should help us and not become a burden due to high costs

Its easy to create a costly solution to solve the problem, very difficult to find a cheaper solution

Ego has no place, there are always better people out there.

When people troll you, you are onto something impactful

Key Takeaways

Show progress regularly to get feedback

Select investors and partners who adds value

Find a team who can challenge you and help your idea to be better Young Innovators are in all parts of the world



Difference is , many are innovating to survive in harsh conditions

CHALLENGE: Can you use the product YOU DESIGN with your eyes closed?

THANK YOU