



## ABOUT ME

Equipped with experience in hardware and accessible software development and an avid interest in design, my passion to create educational experiences that urge adults and children alike to learn and explore.



## INFORMATION

**Portfolio**  
[mathuramg.com](http://mathuramg.com)

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**Phone**  
551-227-1212

**Github**  
[mathuramg](https://github.com/mathuramg)



## SKILLS

**Programming**  
Javascript, HTML, CSS, React, Git, Arduino, Ruby on Rails, SQL, C/C++

**Design**  
Illustrator, Vectorworks, Rhino

**Fabrication**  
Woodshop, Metal and Wood, Turning, Laser Cutting, Sewing



## EDUCATION

**M.P.S., Interactive Telecommunications Program**  
Tisch School of the Arts(NYU)  
(Sep 2015 - May 2017)

**B.Tech., Electronics and Communication Engg.**  
National Institute of Technology Karnataka, India  
(Aug 2009 - May 2013)



## WORK EXPERIENCE | PROJECTS



Aug 2017 - Current  
**Peblio - Ed Tech Startup**  
*Lead Technical Developer*

- Developing an educational tool that assists with content creation and sharing in Computer Science education.



Aug 2017 - Current  
**Interactive Telecommunication Department (ITP NYU)**  
*Research Resident*

- p5-accessibility** - Working on making p5 accessible to people with low vision and blindness.
- ITPower** - Designing and developing systems to use and manage energy consumption in the building.
- Assisting the staff and faculty with classes in the form of office hours and class workshops, and with administrative tasks.



Jun 2017 - Aug 2017  
**BEAT Global**  
*Freelance Full Stack Developer*

- Developed a web-app that assists in speech therapy with the use of beat-boxing for 5-7year olds.



Feb 2016 - Current  
**Lower East Side Girls Club**  
*Instructor/Teaching Assistant*

- Assisting middle school and high school students to learn basic concepts of electronics and civil engineering through projects.



May 2016 - Nov 2016  
**Processing Foundation/NYU Ability Project**  
*Summer Intern (May 2016Aug 2016), Accessibility Student Researcher (Aug 2016Nov 2016), Accessibility*

- Added accessibility features to the p5 (Javascript library for visual art) web IDE for people with low vision and blindness. This is an open source project that is currently in development.



Sept 2015 - May 2017  
**Interactive Telecommunications Department (ITP NYU)**  
*Student*

- Can My Computer Draw** - Developed a project that explored the ability of machine learning algorithms to learn art as a language. The project was used to recreate a hand drawn world map.
- Cat in A Box** - Designed and developed a physical educational tool that teaches children the basic concepts of electronics and energy. This project was tested and iterated over a span of four months and is still a work in progress.



Jun 2013 - May 2015  
**Goldman Sachs Pvt. Ltd, Bangalore**  
*Technical Analyst, Private Wealth Management*

- Responsible for computing and delivering speedy and accurate data reports to our sales team.
- Reengineered the data schema and analytic tools, increasing the productivity of the sales force and management.