



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

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



SKILLS

Programming
Javascript, HTML, CSS, Mongo, React, Git, Arduino, 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

Co-founder, Lead Technical Developer

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



Aug 2017
Aug 2018

Interactive Telecommunication Department (ITP NYU)

Research Resident

- Assisting the staff and faculty with classes in the form of office hours and class workshops, and with administrative tasks.
- **p5-accessibility** - Member of project that is 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.



Jun 2017
Aug 2017

BEAT Global

Freelance Full Stack Developer

- Member of a team that 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.



Jan 2016
May 2017

Interactive Telecommunications Department (ITP NYU)

Student

- **Energy@ITP** - Member of the team that developed interactive screens to visualise energy usage at ITP. This project also won an award at ITP for making meaningful use of Enertiv (EMS system) data.
- **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

- Member of the team 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.