

# Gaurav Mishra

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## Work Experience

- **TYPITO** *Apr 2015 - July 2016*  
*Bangalore, India*  
CO-FOUNDER/ENGINEER
  - Developed web frontend using ReactJs and Flux.
  - Wrote a module for transforming graphics animation data generated from user's actions to series of png images.
  - Wrote typito's video rendering engine using Ffmpeg's library. This module was responsible for overlaying graphics animations on top of a video.
- **TIVAMO** *Aug 2014 - July 2016*  
*Bangalore, India*  
SOFTWARE ENGINEER
  - Setup video streaming infra capable of delivering live video broadcasts and video on demand. Media server used was Wowza Media Server . HLS and RTMP were used as delivery protocols.
  - To save cost on Wowza Servers, prototyped use of nginx as Edge Servers for video delivery.
  - For reducing latency , Implemented live video broadcast using WebRTC. Media server used was Kurento Media Server
  - While working on a project for parent company (Netenrich) developed front end of a DIY portal using ReactJs and Redux.
- **PLAYDOM (DISNEY)** *Jun 2011-Mar 2014*  
*Bangalore, India*  
SOFTWARE ENGINEER
  - Worked on end to end feature development of 4 social games for facebook . one of which was released for IOS and Android too.
  - Wrote a tool to convert swf file to a texture atlas which could be used by framework Starling to render UI using GPU.
- **INFOSYS** *June 2010-May 2011*  
*Bangalore, India*  
JUNIOR RESEARCH ASSOCIATE
  - Worked on Semantic Engine that could process a given english text and store it in a format which we could query later using natural language.
  - Prototyped a application that could process a legal document and guess which parts of the document are potential headnotes. A Patent was also filed for the same.
- **IBM** *Apr 2009 - June 2009*  
*Bangalore, India*  
TEST ENGINEER INTERN
  - Worked on automation of manual test cases using IBM's Rational Functional Tester.
  - Wrote a Module which using character recognition was able to automate certain test cases that were not possible using RFT alone.

## Education

- **STONY BROOK UNIVERSITY** *Sept 2016-Present*  
MS , COMPUTER SCIENCE *Stony Brook, USA*
- **INDIAN INSTITUTE OF TECHNOLOGY, VARANASI** *May 2006-Apr 2010*  
BTECH , COMPUTER SCIENCE *Varanasi, India*

## Patents

- Automation of Headnote Extraction from a legal documents. (<http://www.google.com/patents/US20130238316>)