

# 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>)