# TARUN BHATIA

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## EDUCATION:

- **GEORGIA TECH (2017- present) | M.S. COMPUTER SCIENCE| ATLANTA**
  **GPA- 4.0/4.0**
- **IIIT JABALPUR (2012 -2016)| B.TECH COMPUTER SCIENCE ENGINEERING| INDIA**
  **GPA-8.0/10.0**

## SKILLS: Expertise-Java

**Other Skills**: C ,Javascript, PHP, Bash, Hadoop, MySQL,SQLlite Mongo dB, Java Play framework, Pandas, Numpy, Keras, Servlet, JSP, PHP, Amazon Web Services, Heroku, Jenkins, ANT, Maven, ANDROID, Openscript ,Synergy, Google Developers  API, JSoup, Twitter Api , SVN and Git .

## WORK EXPERIENCE:

- **ORACLE | Banglore (Internship):**                                        **(June 2015 – November 2015)**
  **Automation Cloud**: Built a **Saas web application** for Automation Team of Oracle to execute various test scripts on cloud. This cloud project would eliminate the dependency of hardware/software resources and also would facilitate easy monitoring of test scripts and work progress.
  *Language/ Technology: Java, Hudson/Jenkins, javascript Ant Scripting and SVN*

- **NTPC | Delhi (Internship):**                                        **(May 2013-June 2013)**
  **Online Preventive Maintenance Management System** (**OPMMS**): Built a **web application** for automation of preventive maintenance scheduling and work orders.
  *Language/ Technology: PHP, CSS, JavaScript, MySQL.*

## MAJOR COLLEGE PROJECTS:

- **Movie Recommendation Systems on Hadoop:** Implemented Item Based and User Based and Model based recommendation systems. Compared them based on their efficiency. **Technologies used – Apache Mahout, Hadoop, Amazon Elastic Map Reduce, Zepplin Spark , MLlib, Elastic search, Python, Java.**
- **Online car rental web service** using **PHP, MYSQL, HTML AND CSS** and **Google Developer's Map API.**
- **Notify Me**- Messaging/Broadcasting **Android app** for course related communication using **Wi-Fi Direct**.
- **Real Time Price Comparison web App** to compare prices of a product on various ecommerce retailers using **Java Play MVC framework, Google Search API and Jsoup.**
- **Analysis and comparison of static and dynamic analysis tools for testing of programs for concurrent bugs**: Compared various static and dynamic analysis tools on standard concurrent bugs and open source software Apache JMeter for **Java** programs.
- **Built an AI agent using deep reinforcement learning to buy and sell stocks in virtual stock market:** Used **keras (Python**), deep q learning algorithm.
- **Built an AI agent using deep reinforcement learning to play Atari game (OpenAI) Using Python (Numpy).**
- **TEXT-O-BRAILLE** is device which can be used by blind people to convert any **text file** of their choice to **refreshable braille** on the fly **(Technology Used: -C)**

## ACHIEVEMENTS:

- **Teaching Assistant for graduate level course** Machine Learning for Trading under **Dr.Tucker Balch**
- **Ranked 16** in **ACM ICPC SouthEast Regionals USA**.
- Received certificate of Appreciation for being in **top five percent** in the University.
- Ranked **128** out of nearly **32000** teams which participated in **TCS Codevita** round 1(2015).
- Notify Me Android app shortlisted for **University's proficiency prize**.

## EXTRA CURRICULAR ACTIVITIES:

- In charge of maintaining **Gymkhana webpage** for all clubs for 2013-2014.
- Regular contestant at **programming contests** by hackerrank , handle@paitenaku(Hackerrank),@tera(Spoj).