

# DEEPAK GUPTA

(+1)-631-590-9530 ◇ deegupta@cs.stonybrook.edu

www.linkedin.com/in/deepak-stonybrook

## EDUCATION

---

**Stony Brook University, New York**

Master of Science, Computer Science and Engineering

*Aug 2017 - Present*

Ongoing

**Indian Institute of Technology Dhanbad**

Bachelor of Technology, Computer Science and Engineering

*Jul 2010 - May 2014*

GPA: 7.22/10

## SKILLS

---

**Computer Languages:** Java(Proficient), C++(Intermediate), Python(Familiar)

**Tools & Libraries:** Expert: Android Studio, IntelliJ Beginner: Pandas, Spark, OpenCV, NumPy

## TECHNICAL EXPERIENCE

---

**Publication (Personalized User Tag Recommendation System)**

*Presented at IEEE ISM, 2016*

*Apr 2016 - Oct 2016*

*(MMRL Lab, NUS, Singapore)*

- Developed a system on the 100M Flickr Dataset(YFCC100M) leveraging knowledge structures from multiple modalities and clustering users for personalized tag recommendations in Java.
- Performed multimodal analysis to recommend tags based on visual, textual, spatial and temporal metadata.
- Implemented neighbor voting and random walk based relevance score algorithms to enhance the prediction accuracy. <http://ieeexplore.ieee.org/document/7823676/>

**Rubique, India**

*Senior Software Engineer*

*Jan 2017 - Jul 2017*

- Involved in designing and development of mobile application for Rubiques core business solution.
- Implemented modules such as user profile, search & filters, app wide animation end to end.
- Developed chat bot module for Rubique android app, which can retrieve and show data to authorized user in chat like user interface. #Java, REST APIs, Volley, Android. <https://goo.gl/pk6cDv>

**Samsung Research Institute, India**

*Software Engineer*

*Jul 2014 - Dec 2016*

- Worked in Android framework team. Developed APIs for Activity Manager module for latest Android upgrades.
- Handled and optimized Activity Lifecycle on Android Platform for Samsung flagship projects.
- Worked as Post Manager at Samsung Electronics America, Dallas, where I provided quick and on-site QA issue assistantship. Closely worked with Samsung USA engineers. #Java, Google Android APIs.

## PROJECTS AND ACADEMIC ACHIEVEMENT

---

- **Prediction Model** (2017): Designed a machine learning model for Kaggle's home value prediction challenge to predict real estate prices. (Python, Pandas, Scikit Learn and NumPy)
- **Weather application** (2015): Developed an android application which uses Forecast.io api to show real time weather information and weather forecast for upcoming week and month. (Java, Android, Volley API)
- **Dining Management System** (2013): Developed a web portal to automate the campus dining services including meal booking, checking meal menu and integrated feedback system. (PHP, MySQL, HTML)
- **Stood 1st** in inter college overnight team coding event at Concetto 2013 (Technical festival IIT Dhanbad).
- **Ranked Top 1%** in IIT-JEE 2010, one of the most prestigious engineering entrance examinations in India.