

# UPASANA GHOSH

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## EXPERIENCE

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**Ascentx Software Development Pvt. Ltd.**  
*Software Engineer*

Jan 2018 - Present  
Chandigarh, India

- Created **Rest** APIs for **microservices** (Java, Spring Boot)
- Created **Docker** images for the deployment of microservices.
- Used and deployed **Kubernetes** to manage the containers.
- Build **Jenkins** pipeline for CI and CD.
- Created UI screens from front-end to back-end. (Typescript, Jsp, EJB, Java, Oracle)
- Interned from Jan – June 2018

**Indian Academy of Sciences**  
*Summer Research Fellow*

June 2017 - July 2017  
Bangalore, India

- Worked on Semantic Analysis for Narrative Texts
- To measure the semantics of a text, certain semantic measures have been developed.
- Project Link: [github.com/upasana05ghosh/Semantic-Analysis-for-Narrative-Texts](https://github.com/upasana05ghosh/Semantic-Analysis-for-Narrative-Texts)
- Language/Tools used: Python, NLTK, Octave

## EDUCATION

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B.E. CSE	UIET, Panjab University, Chandigarh	2014-18	9.07 CGPA
CBSE 12th	Kendriya Vidyalaya, Sector-31-D, Chandigarh	2014	94.6%
CBSE 10th	Kendriya Vidyalaya, Sector-31-D, Chandigarh	2012	10 CGPA

## PUBLICATION / PROJECTS

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**Anchor Word Extraction Algorithm for Story Development of Narrative Texts**  
*IEEE Xplore*

Dec 13, 2017

- The human mind is very good at connecting the dots. It is capable of framing a story from a few keywords called anchor words
- In this work, we have proposed an algorithm for the extraction of a few anchor words that are useful for humans to develop a story.
- Publication Link: [ieeexplore.ieee.org/document/8487541](https://ieeexplore.ieee.org/document/8487541)

**Factoid based Question Answering System**  
*wikianswers.herokuapp.com*

Aug 2017 – Dec 2017

- Factoid based Question Answering System answers open-domain fact-based questions.
- It uses Wikipedia and Google search pages to extract concise answers.
- Project Link: [github.com/upasana05ghosh/Question-Answering-System](https://github.com/upasana05ghosh/Question-Answering-System)
- Language/Tools used: Python, NLTK, Flask

## SKILLS

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**Programming languages:** Java(Intermediate)  
**Java Framework:** Spring Boot, EJB  
**Database:** Oracle  
**Containers :** Docker, Kubernetes