

Abhilasha Sancheti

Big-Data Experience Lab
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EDUCATION

Indian Institute of Technology Guwahati
B.Tech Computer Science and Engineering; CGPA: 9.66

Guwahati, India
Jul 2013 – May 2017

EXPERIENCE

Adobe Research, Research Scientist/Engineer
Adobe Research, Research Intern
Eklavya IIT Bombay, Intern

Jun 2017 – Present
May 2016 – Jul 2016
May 2015 – Jul 2015

PUBLICATIONS

Harvesting Knowledge from Cultural Heritage Artifacts in Museums of India
A. Sancheti, P Maheshwari, R. Chaturvedi, A. V. Monsy, T Goyal., B. V. Srinivasan
Pacific-Asia Conference on Knowledge Discovery and Data Mining. Springer, Cham, 2018.

Intent-Aware Contextual Recommendation System
B. Bhattacharya, I. Burhanuddin, **A. Sancheti**, K. Satya
Data Mining Workshops (ICDMW), 2017 IEEE International Conference on. IEEE, 2017.

PATENTS

A method to build an enterprise-specific knowledge graph
B. V. Srinivasan, **A. Sancheti**, T. Goyal, R. Chaturvedi, P. Maheshwari, A. Monsy(US Patent Application #15928288 Filed March 22 2018)

Context-aware personal assistant for Analysts
I. A. Burhanuddin, B. Bhattacharya, **A. Sancheti**, K. Satya, S. Revankar(US Patent Application #15594394 Filed May 12 2017)

PROJECTS

Style Transfer for Brand Personality *Ongoing*
Extended Neural Machine Translation and text style transfer approaches for evaluating the transfer between different levels of Excitement (a dimension of brand Personality). The aim is to alter the level of multiple dimensions of brand personality simultaneously.

Understanding Documents Through Lens of Reader's Comments *Ongoing*
Devised a way for associating comments to the segments of the document and classifying them into categories in a hierarchical way. This will help authors in improving the content in future documents and making it more engaging.

Harvesting Knowledge from Cultural Heritage Artifacts in Museums of India *Published*
Devised a method to build domain specific knowledge base from structured and unstructured data. Extracted triples are canonicalized to a standard taxonomy based on a combination of metric-based approach, taxonomy mapping and sequential clustering followed by an enrichment step.

Intent-Aware Contextual Recommendation System *Published*
Created an intelligent system which is a combination of frequency and content based recommendation systems and keeps user's intent in mind while providing the recommendations.

Design and Implementation of a Compiler *Apr 2016*
Designed a C like language and grammar for lexical, syntactic and semantic analysis. Used flex, yacc and C++ for the implementation to get target code in MIPS. Features such as type checking, coercion, arithmetic and logical operators, loops, if else were implemented.

Automated Gardening System using Galileo Board *Nov 2015*
An automated system that acts according to the values read from soil moisture, temperature and LDR sensors and helps in maintaining the proper level of water, light and temperature required for growing a specific plant. A web server is hosted to control the lights, water valve and fans by setting thresholds.

Assembler, Linker and Loader *May 2015*
Made an interpreter and a simulator to convert the self-encoded language into assembly language, linked it and loaded it into the specified memory locations.

Scilab Toolboxes

Jul 2015

Developed Arduino and Image Processing toolboxes for Scilab (an open source alternative to MATLAB) under FOSSEE.

ACCOMPLISHMENTS

Among top 4 in Computer Science and Engineering , Batch of 2013	2017
Dewang Mehta Excellence Award	2016
Certificate of Merit for being among the top 0.1% of successful candidates of AISSCE in Physics	2012

RELEVANT COURSES

Linear Algebra, Probability Theory and Random Processes, Data Structures and Algorithms, Theory of Computation, Game Theory, Randomized Algorithms, Discrete Mathematics, Partial Differential Equations, Computer Vision using Machine Learning, Artificial Intelligence, Optimization Methods

TECHNICAL SKILLS

Languages: C++, Python, Java, R, CSS, PHP, HTML

Operating System: Linux, Windows, Mac OS

Miscellaneous: Tensorflow, Bash, Git, SQL, \LaTeX

POSITIONS OF RESPONSIBILITY

Literary Secretary , Hostel Management Committee	Jul 2015 – May 2016
Event Organiser , Robotics Techniche	2014

EXTRA-CURRICULAR ACTIVITIES

Bagged Gold medal in Table Tennis sports week	2015
1st Position in Table Tennis Girl's week	2015
1st Position in Category II in the Annual All India Essay writing event conducted by United Nations Information Center for India and Bhutan.	2009