

# Akshay Parekh

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My research work centers around Natural Language Processing, Information Extraction & Deep Learning, mainly focusing on Large-scale Relation Extraction.

## EDUCATION

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- **Indian Institute of Technology Guwahati** Guwahati, India  
*PhD, Thesis Topic: Large Scale Relation Extraction, Advisors: Dr. Ashish Anand & Dr. Amit Awekar* July. 2016 –
- **Center for Development in Advanced Computing (CDAC)** Hyderabad, India  
*Diploma in System Software Development(DSSD); CGPA: 73% (Batch Topper)* Feb 2014 – Aug 2014
- **G. H. Rasoni College of Engineering** Nagpur, India  
*Bachelor of Engineering in Computer Science & Enineering; CGPA: 72%* July 2009 – May 2013

## INDUSTRY EXPERIENCE

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- **Digitales Communications Pvt. Ltd.** Mumbai, India  
*Software Engineer* Jan 2015 - June 2015
  - **Shopista:** Web Scraping, Information Extraction & Android UI Designer

## ACADEMIC EXPERIENCE

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- **Indian Institute of Technology** Guwahati, India  
*Research Scholar* July 2016 –
  - **CS 110 Programming Language Lab:** Teaching Assistant
  - **CS 210 Data Structure Lab:** Teaching Assistant

## PROJECTS

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- **Generating Knowledge Graph from Wikipedia Infobox:** Course Project for Intelligent System Interfaces, developed in Python using wiki-api and regex.
- **Search Engine:** Course Project for Fundamental of Information Retrieval, developed in Python using flask and whoosh.
- **Recommendation System:** Machine Learning project for Movie recommendation. Developed in Python using scikit-learn.
- **Packet Filtering Firewall for Linux Kernel:** Course project for DSSD, developed in C/C++ using iptables, netfileters and Linux Kernel module.

## TECHNICAL SKILLS

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- **Languages:** Python, C, C++
- **Web-Technologies:** HTML, CSS
- **ML-DL:** Numpy, Pandas, Matplotlib, Sklearn, Tensorflow
- **NLP:** NLTK, spacy
- **Operating System:** Windows, Linux(Ubuntu)
- **Tools:** Android Studio, Ipython, Jupyter

## KEY COURSES

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- **IITG CS512:** Design & Analysis of Algorithms
- **IITG CS570:** Fundamentals of Information Retrieval
- **IITG CS565:** Intelligent Systems & Interfaces
- **IITG CS561:** Artificial Intelligence
- **CDAC DSSD:** Linux System Programming
- **CDAC DSSD:** Linux Kernel Programming

## ACHIEVEMENTS

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- **Persistent Systems Pvt. Ltd., SemiColon 2012, Hackathon:** Secured 1st position