

EDUCATIONAL QUALIFICATIONS

Duration	Institute	Degree	CGPA / %
2012-2017	Indian Institute of Technology, Kharagpur	BTech & MTech in Computer Science and Engineering	7.47/10.0
2010-2012	Vidya Vikas Vidyalaya, Malkapur	H.S.C.(12th Standard Board Exams)	78.17%
2007-2010	Nutan Vidyalaya, Malkapur	S.S.C.(10th Standard Board Exams)	91.27%

TECHNICAL SKILLS

- **Languages** : C, C++, python, java, verilog, MIPS assembly
- **Databases** : MySQL
- **Technologies** : Git, Azure Machine Learning, L^AT_EX, ns-3, netbeans, Xilinx
- **Web Tools** : HTML, CSS, javascript, php
- **Platforms** : linux, windows, solaris

INTERNSHIPS

- **Data Science Internship** [May'15 - Jun'15]
Embedded Xpresso Rest API in Microsoft Azure Machine Learning platform. Can handle upto 10 Gb of input data of reviews and comments in social media. Sentiment analysis and Emotion analysis are computed in parallel manner. Overall as well as domain-wise results are displayed in output.
Guide: Sumit Das, **Abzooba** *Techs Used:* Azure ML, Python, MySQL, R, XML
- **Software Development Internship** [May'14 - Jun'14]
Worked on Stock Manager Advance v2.3, an MVC-erp webapp for managing stocks. Implemented both front-end and back-end functionalities making the datagrid more user-friendly and interactive. Fixed bugs, tested and improved GUI in version 2.3.
Guide: Rahul Jain, **Intellozene** *Techs Used:* PHP, MySQL, JavaScript, HTML, CSS

SELECTED PROJECTS

- **Categorization of Out-of-Vocabulary Words:** Out-of-vocabulary words were extracted from 24 GB random twitter sample by CMU tokenizer and checking in GNU aspell. Implemented fleiss' kappa for checking agreement between taggers in training dataset generation. Implemented ad-hoc identification methods such as regular expression for "Expressions" and "Emoticon" category; delete repetition and aspell check for "word lengthening" category; Viterbi algorithm for hidden model for "word merging" category.
- **Search Result Relevance:** Predicted relevance of search results given search query, product title and product description with 60% accuracy on test data. Data cleaning included removing HTML tags, removing stop-words, lemmatization. 'q' and 'z' were attached to query and title tokens respectively before tf-idf weighting for feature extraction. A pipeline containing SVD for feature selection and SVM for modeling was fed to GridSearchCV for finding best parameter by quadratic kappa scorer.
- **Small DC++:** Designed a file sharing application which uses chord peer-to-peer protocol. Implemented finger table for node/file lookup which searches file in O(log N) time. Primarily used the C++ Socket API and Semaphore as synchronization tool.

RELEVANT COURSES UNDERTAKEN

- Programming and Data Structures, Discrete Structures, Algorithms I, Software Engineering, Formal Languages and Automata Theory, Switching Circuits and Logic Design, Algorithms II, Compilers, Computer Organization and Architecture, Operating Systems, Computer Networks, Database Management System, Information Retrieval
- Speech and Natural Language Processing*, Social computing*, Theory of Computation*, Machine Learning*, Artificial Intelligence* (To be completed before Dec 2015)

ACHIEVEMENTS & ACTIVITIES

- Our team crusader198 secured **469th rank amongst 21063** teams in Codechef Snackdown 2015.
- Won **3rd Prize in INCOSE SEC** event of Asia's Largest Techno-Management Fest Kshitij-2014, IIT Kharagpur.
- Part of inter-hall **Bronze Winning Opensoft Team 2014**.
- Part of National Sport Organization-Health and Fitness, IIT Kharagpur.
- Secured an **All India Rank of 3210** in IIT-JEE, 2012.