

EDUCATION

2013-2018 (EXPECTED)	B.Tech and M.Tech (Dual Degree) in COMPUTER SCIENCE AND ENGINEERING Indian Institute of Technology, Kharagpur
2013	Class XII, CENTRAL BOARD OF SECONDARY EDUCATION (CBSE) Central Academy School, Gwalior

WORK EXPERIENCE/INTERNSHIP

JUN 2016	Building Knowledge Base using Unstructured Data
MAY 2016	Software Development Intern at FLIPKART, Bangalore <ul style="list-style-type: none">- Preprocessed the whole dataset which includes cleaning of dataset & and restructuring it into specific manner.- Proposed a domain specific chunking grammar, used along with various open information extractor tools like ReVerb, Ollie, Stanford CoreNLP to extract the phrases from each sentence. Used Word2Vec model to produce word embeddings.- Used skip-thought vectors for finding semantically and syntactically same sentences and then used Hierarchical Agglomerative Clustering (HAC) method to cluster them.

ACADEMIC PROJECTS

APR 2016	Link Prediction using Apache Spark
FEB 2016	- Given a social graph, predict which links are expected to appear in the future. Used Logistic Regression (mllib library - Apache Spark) and Jaccard's similarity to calculate the probability of two unconnected nodes getting connected in the future.
MAR 2016	Academia - Course Management System
FEB 2016	- Built a complete course management system that supported authentication & authorization, User Access Control for 4 different types of users, calendar support and all major features one can expect from a CMS including faculty management, course progression, self-evaluated tests etc. <ul style="list-style-type: none">- The complete workflow was built using the LAMP stack. Twitter Bootstrap was utilised for making the site fully responsive.
NOV 2015	Compiler for Tiny C (A Subset of C Language)
AUG 2015	- Developed a TINY C compiler using compilers principles, techniques and tools. The tools used for development were Flex and Bison. The compiler was written entirely in C++ language.
APR 2015	Restaurant Automation System
MAR 2015	- Developed a software built using JAVA Swing for a Restaurant Automation System which handles and automates the requests of the management and customers. Documented the software(SRS,SA/SD,UML,Test-Suite),which involved using UML case tools. <ul style="list-style-type: none">- Separate records were maintained for handling the tasks and SQL was used for interfacing with the database. Key features included managing stocks, generate monthly sales receipt etc.

TECHNICAL SKILLS

PROGRAMMING	<i>Proficient:</i> C, C++ <i>Familiar with:</i> Python, Java, Scala
LIBRARIES/Frameworks/DATABASES	OpenMP, OpenCV, Apache Spark, BootStrap, MySQL
MARKUP/TEMPLATING	HTML, CSS, \LaTeX
SOFTWARE & TOOLS	StarUML, Netbeans ID, Eclipse
SYSTEMS/PLATFORMS	Git, Microsoft Windows, Linux(Ubuntu)

SCHOLASTIC ACHIEVEMENTS

- Stood amongst top 2.6% participants (rank 150) in the **Google APAC 2017 University Test** - Round B. Handle - *Iannister*.
- Team **Curious_moles** qualified for the onsite round and stood amongst top 20% participants in the **ACM-ICPC'16** held at Coimbatore.
- Ranked in Top 5% (amongst 150,000 candidates) in Joint Entrance Examination conducted by Indian Institute of Technology.
- Ranked in the State-wise Top 1% (amongst 70,000 candidates) in State level Engineering Competitive Exam (MP PET).

COURSEWORK

(T)HEORY AND (L)ABORATORY

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| - Theory of Computation (T)* | - Image Processing (T)* |
| - Parallel and Distributed Algorithms (T)* | - Artificial Intelligence (T)* |
| - Machine Learning (T)* | - Operating Systems (T/L) |
| - Database Management Systems (T/L) | - Computer Networks (T/L) |
| - Information Retrieval (T) | - Speech and Natural Language Processing (T) |
| - Compilers (T/L) | - Software Engineering (T/L) |
| - Discrete Structures | - Algorithms- I & II (T/L) |