

EDUCATION

Degree/Course	Institute/School	CGPA/Percentage	Year
Integrated MSc in Mathematics And Computing	IIT Kharagpur	8.55/10	2011-present
Board of Secondary Education M.P.(Class XII)	Gyandeep Higher Secondary, Balaghat	81.6%	2009-2010
All India Secondary School Examination(Class X)	Kendriya Vidyalaya	90% (PCM-97.5%)	2007-2008

SCHOLASTIC ACHIEVEMENTS

- Got **Pre-placement offer** from **ezDI**, Ahmedabad (2015)
- One of the international student to be selected for **MHacks**, largest hackathon competition organised by University of Michigan
- Department rank 5th out of 55 students in the department of Mathematics, IIT Kharagpur
- Secured a rank in top 0.6% out of 5,00,000 students appeared in **IIT-JEE** (2011)
- Secured a percentile of 99.87% in All India Engineering Entrance Examination (2011)
- Awarded a prestigious scholarship of \$1000 US dollars yearly from INSPIRE Scholarship Program

SUMMER INTERNSHIP

Java / Spring Developer	ezDI Healthcare	Summer 2015
Web App : a search engine for International Classification of Diseases ICD-9 and ICD-10		
<ul style="list-style-type: none">Developed a high performance search engine with loosely-coupled components and build for change architectural patternImplemented a see-mapping tool that enabled deep search and enhanced the performance for see and see-also linksBuilt a scalable preprocessing tool to create structured hierarchical data model for faster and precise resultIndexed generated by Apache lucene stored in-memory, server gives the best result (5 ms to generate output) as compared to other global competitors which takes more than 500ms		

Student Research Assistant	Karlsruhe Institute of Technology, Germany	Summer 2014
Advised by Prof. Christopher Yung, Large Scale Database Management and Analytics group		
<ul style="list-style-type: none">Worked on implementation of Java plugin for Unity software service providing authorization functionality on proxy certificatesBuilt a plugin to provide digital attributes to client's proxy certificate that is used to access sensible resourcesExplored Cryptographic aspects of the client-server architecture that uses Public Key Infrastructure (PKI) for authorization		

Technical intern	OdigMa, Bangalore	Summer 2013
Development of tool that analyses Twitter trending Algorithm		
<ul style="list-style-type: none">Mined data from Twitter API 1.1, stored it in a relational database with proper schema and analysed data on the basis of pre-defined parametersCreated an online platform where user can access this analytic tool and compare graphs between different trendsThe technology stack involved PHP, Javascript, MySQL and libraries jQuery and highcharts.js		

ACADEMIC PROJECTS

Master's Thesis Project	IIT Kharagpur	July'15-current
<ul style="list-style-type: none">Functional Data Analysis : Get smooth curves from noisy data using B-splines basis function and group them into different classesImplemented a python application that classifies different cities on the basis of historical weather data		

Natural Language Processing	IIT Kharagpur	July'15-current
Understanding tweets of people during disaster and how it varies over time		
<ul style="list-style-type: none">Built a classifier to separate out tweets based on – sentiment, government, event analysis, donation and then analyzed how they vary over timeUsed SVM as base model followed by TruncatedSVD and achieved the accuracy of 80% after lemmatization		

App Development	IIT Kharagpur	2013
<ul style="list-style-type: none">Developed an android app ScienceProject for Akash tablet development, sponsored by MHRD, govt. of IndiaDeveloped a C# app SOS on Windows platform for the day long Hackathon organised by Microsoft IDC		

RELEVANT COURSEWORK

Natural language processing	Machine Learning	Probability and Statistics	Statistical Inference
Software Engineering	Operating Systems	Object oriented system design	Computer Networks
Switching and finite automata	Programming&Data structures	FDBMS	Design&analysis of algorithm

LANGUAGES AND TECHNOLOGIES

- C, C++, Java, Python,MySQL, Javascript, HTML, CSS, LaTeX
- Eclipse, Pycharm, MATLAB; Ubuntu, Android

ADDITIONAL EXPERIENCE AND AWARDS

- B-certificate and rank holder of Flight Commander in NCC in the session 2011-12 at IIT Kharagpur
- Represented the district Bhilai at Chattisgarh state level competition in table tennis
- Part of the bronze winning Interhall Tennis team and gold winning illumination team