4th year, Undergraduate (IT)
Intern at **Infoedge(naukri.com)**
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# Kumar Harsh

## Objective

*To work in a high growth environment, that could help me achieve personal as well as organizational goals by providing opportunities for growth and continuous learning.*

## Education

| Examination/ Board | Institute | CGPI/Percentage | Session |
|---|---|---|---|
| 10th | Delhi Public School, Patna | 92.8 | 2006-2007 |
| 12th | St. Pauls Sr. Sec. School, Samastipur | 77.2 | 2008-2009 |
| B. Tech.(8th sem) | IIIT Allahabad | 8.06 | Jul. 2010 – July 2014 |

## Area of Interest

- Data Structures and Algorithms
- Object Oriented Programming
- Operating System
- Database Management System

## Technical Skillset

| | |
|---|---|
| **Programming Languages** | C,C++,JAVA(Certification course in Core JAVA at NIIT). |
| **Operating Systems** | Windows(XP,Win7), Linux(Ubuntu). |
| **Database Management Systems** | MySQL, Oracle. |
| **Libraries Explored** | STL. |
| **Others :** | Matlab(Beginner), Semantic Web(Basic), RDF(Basic). |

# Academic Projects

## *Major-Projects*

- **Developing a recording-based crawler for crawling and parsing jobs[7th Sem]:-**

  **Project Guide-** Internship at **naukri.com**

  **Abstract –** Aim is to develop a personalized web crawler which could also parse Job headings without fetching the entire content. The existing crawler required manually writing regex and worked only for static HTML pages. The application solves both these problems by using a recording software. It is also provided with multi-threaded support.

  **Technologies used:** Selenium IDE, JAVA.

  **Duration:** 6 months **Status:** on-going.

## *Mini-Projects*

- **Citation based Plagiarism Detection [7th Sem]:-**

  **Project Guide** – Prof R.C. Tripathi (Dean(SA))

  **Abstract –** With the aim of controlling plagiarism activity in academic environment, the software tries to find plagiarism by exploiting mentioned citations. After keyword generation, final score is generated and the citations are classified as under-used, over-used and normal-used.

  **Technologies used:** Parscit, libextractor, JAVA, search APIs.

  **Duration:** 3 months **Status:** Completed **Grade: A**

- **Technology Unveiling : Searching Patents from Product Specification (Case Study : Mobile Phones) [6th Sem]:-**

  **Project Guide** – Prof R.C. Tripathi (Dean(SA))

  **Abstract** - We aim to find related patents of a queried device, by finding all the components of the device, extracting important keywords and then searching related patents for all those technologies (tracking latest technological advancements, making it useful for R&D of any industry). The patent search results are also re-ordered on the basis of date of filing of patent, only filed patents or only issued patents.

  **Technologies used:** Information retrieval techniques, JAVA, Jsoup, Gsoup.

  **Duration:** 3 months.**Status:** Completed. **Grade: A+**

- **Increasing Patients' Safety using Semantic Web (Case Study: Drug Recommendation System) [5th Sem]:-**

  **Project Guide** – Dr. O.P. Vyas

  **Abstract -** In this project we describe an approach that helps to increase patient safety by exposing patients to relevant information that is gathered from database (Linked data) obtained from various web sources, educating patients toward better preventive medicine decision making.

  **Technologies used:** JAVA, Explain-a-LOD, RiTa WordNet, SemanticWeb, SPARQL, RDF.

  **Duration:** 3 months. **Status:** Completed. **Grade: A+**

### *Other Projects*

- **Online Shopping System [4th Sem]:-**

**Project Guide** – Dr. O.P. Vyas

**Abstract** - Under this project, I (leading a group of 3) developed a Java application which involved providing an on-line shopping system for the employers of a company. It contained functionalities involving both Administrator and user. Admin could update product information, member information etc. and the user could browse different items, add items to cart, receive invoice etc. Inventory and sales information was stored in database. The project also consisted of UML diagrams illustrating the design.

**Technologies used:** Oracle, JAVA, Swing, JDBC.

**Duration:** 1 month. **Status:** Completed.

- **Graphical model of 'Student Activity Centre' of the institute [4th Sem]:-**

**Project Guide** – Dr. Pavan Chakraborty

**Abstract -** This project was done in a group of five, and involved preparing a graphical model of SAC of our institute. I made a model of the inner parts of the place. The model could give a walkthrough view of the Student Activity Centre. I used google sketchup and did Texture Mapping.

**Technologies used:** Google Sketchup.

**Duration:** 1 month. **Status:** Completed.

## Activities and Achievements

- AIR 7974 in AIEEE, and also obtained cut-off marks in IIT-JEE 2010.
- Was awarded a scholar memento for 'academic excellence for 3 consecutive years' at my school, DPS Patna. Have also represented my school in the finals of 'Brain of Patna' contest held across all the schools in Patna.
- Regular participant in online programming competitions including Codechef, Topcoder, Codeforces, SPOJ etc. and have decent ranks and ratings.

  Ranking: Codechef (global **517**, national **303** as in Oct'13), Codeforces (max. rating 1424). Among the **top 1.3%** of all the users on SPOJ. SPOJ has more than 2 lakh participants from 206 countries.
- **Secretary of Dramatics club**, IIIT-A and have an experience of organizing many big events of the college.
- Passionate about Dramatics, won the '**Best Actor** of the play' award and our team won the 1st prize in the main stage event named Innovation for 2 consecutive years 2011 and 2012. Also, Won the best script award in Innovation (2011).
- I was also, a part of a social initiative named PRAYAAS, taken by the student fraternity of IIIT-A to spread literacy among the poor and needy children by providing them free coaching.

I hereby solemnly declare that the above-furnished information is true and correct to the best of my knowledge and belief.

-Kumar Harsh

May 20th ,2014.Noida