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Computer science and engineering

EXPERIENCE

National Digital Library(NDL), by MHRD IIT Kharagpur | Software Intern

- Integrate several International and National Digital Libraries into a single web portal
- Developed smart faceted search engine for Books in different languages
- which is capable to retrieval of results even related to morphological and conjugation components.

CNeRG, IIT Kharagpur | Complex network Research Intern

- Propose a model of the interaction and the coordination between the caches, managed by peering
- We want stable and efficient content-level peering, can be implemented without explicit coordination between the neighbours.

EDUCATION

Indian Institute of Technology Kharagpur | Kharagpur

B. Tech in Computer Science and engineering

Notable Coursework

Data analytics	Artificial Intelligence	Database Management System
Machine Learning	Operating Systems	Computer Organization & Architecture
Software Engineering	Computer Networks	Performance Modeling Of Computer
Algorithms I-II	Theory of computation	Big Data

PROJECTS

Library Information System | Software Engineering

- Developed a software for automating different activities of the institute library like issue, return of books.Built a search engine to help the library to search for various details and feedbacks.
- It also helps the librarian to maintain the stock of books by statistics generated by the software.

ROAD REPAIR TRACKING SOFTWARE | Software engineering

- Road Repair and Tracking Software to be developed for the road repairing task of the Public Works Department of the Corporation of a large city
- Documented the above software (SRS,SA/SD,UML,Test Suite),which involved using UML Designs

THE EXPERIENCE OF xAPI (Tin Can) | e-learning software

- Project :- The Experience xAPI is specification for learning technology that makes it possible to collect data about the wide range of experiences.
- This API captures data in a consistent format and maintain by LMS and LRS

LARGE SCALE GRAPH ON HADOOP | Machine Learning

- The goal of the project was to process large graphs using a map-reduce framework

DIMENSIONALITY REDUCTION USING KNN IN SPARK | Data analytics

- wrote a program in spark that will convert each 20 dimensional input sample into a 5 dimensional vector using k-nearest neighbor

LANGUAGES AND TECHNOLOGIES

Languages: C/C++, Python, Java, MySQL, HTML, CSS, Javascript, php.
Libraries/Frameworks: Android, DSpace, Biopython, Numpy, Django, Flask
Softwares/Tools: Git, Linux, Eclipse, netbeans, Android Studio, Spark, Hadoop

ADDITIONAL EXPERIENCE

- Work as freelancer for full-stack development. work- friends for animal, impact developer,social joy.
- Was awarded B-Certificate for excelling as an N.C.C cadet in May 2015.