



Shubham Subhankar Sharma

Indian Institute of Information Technology, Vadodara

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EDUCATION

Degree	Institute	Year	CPI/Aggregate
B.Tech.	Indian Institute of Information Technology, Vadodara, India	2013-2017	8.19
Intermediate/+2	Kendriya Vidyalaya N.E.R Bareilly, U.P , India	2011-2014	91.8%
High School	Kendriya Vidyalaya Lokra, Sonitpur, Assam, India	2009-2010	9.8

SKILLS

Expertise Area: C++, C, Java, MySQL, Object Oriented Programming, Algorithm Design and Analysis, Wireshark
Area(s) of Interest: Data Structures ,Big data(Hadoop and MapReduce Architecture), Internet Security, Natural Language Processing, SQL injection and Brute Force Attack and Content Management System
Programming Language(s): C++,C, Java, PHP, JavaScript, Python
Tools and Technologies/SDK(s): Project Libre, Wireshark, Tshark, JSP and Servlets, CMS(Joomla and Wordpress), Latex,
Database: PostgreSQL, MySQL, Database Design and Analysis
Technical Electives: Science, Technology and Society, Economics, Graph Theory and Optimization

PROJECTS

Hadoop, MapReduce paradigm and its Applications

Indian Institute of Information Technology, Vadodara

Instructor: Dr. Prasenjit Mazumder, Professor, DAIICT Gandhinagar, India

Team size 2

In this project, we installed Hadoop(an open-source framework that allows to store and process big data in a distributed environment across clusters of computers using simple programming models) on a cluster of three computers. One as master and two acting as a slave. We implemented Least common subsequence problem for generating summaries and DNA matching in hadoop.

UG Convener Webportal

Indian Institute of Information Technology, Vadodara

Instructor : Dr. Manik Lal Das, Professor, DAIICT Gandhinagar, India

Team size 5

In this project, we made a UG Convener Website using the Joomla CMS(Content Management System). This site acts as a communication medium between the Dean of the institute and all the other students, Alumni, Staff and the Faculty. Anyone can directly contact and interact with Dean after registration. And dean can give notifications and further information about his actions.

Implementing Newton Rhapson Method for solving Real and Complex Equation

Indian Institute of Information Technology, Vadodara

Instructor : Dr. Pratik Shah, Associate Professor, Indian Institute of Information Technology, Vadodara, India

Team size 5

In this project, we implemented Newton Rhapson Method for solving Real and Complex Equation. Using octave and C languages, we plotted the positions of the imaginary and real roots on the graphs producing fractal images.

College Management System

Indian Institute of Information Technology, Vadodara

Instructor : Dr. Asim Banerjee, Professor, DAIICT Gandhinagar, India

Team size 9

We made a college management system as our Software engineering project. CMS is an standalone Intranet based application that aims at providing information to all the levels of management within an organization. This system can be used as a information management system for the college. It mainly focuses on administration, academics, hostel and mess related issues. It is made using the MVC model. I was responsible for requirement gathering, backend programming using PHP and documentation of SRS, User Manual and Integration Testing in this project.

Brute Force and SQL Injection Attack detection and prevention using Wireshark

Indian Institute of Information Technology, Vadodara

Instructor : Dr. Jignesh Bhatt, professor, Indian Institute of Information Technology, Vadodara, India

Team size 3

In this project, we developed a module for doing Brute Force Attack (for getting username and password) and did SQL Injection Attack on a isolated system using a single system as victim and multiple system as attackers. Then we produced codes for detection and prevention of these attacks by identifying and blocking the malicious IP addresses.

ensureIntern

Indian Institute of Information Technology, Vadodara

Instructor : Dr. Pokhar Mal Jat, professor, DAIICT, Gandhinagar, India

Team size 3

We built ensureIntern as our web technology project. This website provides student all the information about the internship. Starting from where to apply for the internship on the basis of the students skill set and interest, what should be the format of resume, how to prepare for the interview and the guidelines for the behavior during the internship. This website is made in MVC(Model View Controller) model using servlet and JSP.

TRAINING

MIT Media Lab Workshop(Innovative Design) in Synchronous Tools Track

The Actual Tweet House

Pandit Deendayal Petroleum University

Guide: Tom Weller and Jonathan Bobrow

Team Size 4 In this project, we made a system which will connect all the birdwatchers around the world. It is like a Birdpedia, you can know everything about a bird's species from its food habits, migration routes to mating habits; everything is available here. We planned to make a system of large no. of birdhouses connected through internet. Here, we will capture the birds image and its voice using Tessel and other sensors and directly upload it to a webportal containing all such videos and images with their timestamps in a map of world.

AWARDS AND ACHIEVEMENTS

I am a fresher and this is my first step towards employment.

AWARDS AND ACHIEVEMENTS

- Participated in National Table Tennis Championship in 2006 and 2008.

POSITION(S) OF RESPONSIBILITY

- School Captain, Kendriya Vidyalaya NER Bareilly (15 September 2011 - 20 April 2012)
- Sports Committee head, IIIT Vadodara (20 August 2013 - 30 September 2014)

INTERESTS AND ACTIVITIES

- Sports attract me. It fills me with energy. I love to play football, table tennis, badminton, cricket and volleyball. I have represented my state for two years in table tennis at the nationals.
- I am a foody guy. Love to try new dishes and recipes.

- I love to travel. I have travelled all the prominent sites in Garhwal, Kumaon, Himachal and Arunachal Pradesh.
- I watch lots of movies and TV Shows and try to find out more about the culture and behavior of humans through them.
- I am very fond of music and singing.

Declaration : I hereby declare that all the details furnished above are true to the best of my knowledge and belief.