Vivek Kumar Singh

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EDUCATION

Degree	Institute	Year	CPI/Aggregate
B.Tech.	Indian Institute of Information Technology, Vadodara	2013-2017	7.67
Intermidiate/+2	Brightland Inter College,Lucknow(UPBroard)	2010-2012	69.8%
High School	BrightLand Inter College, Lucknow(UPBoard)	2008-2010	70%

SKILLS

Expertise Area	Object Oriented Programming,Database Design,Oracle, Web Development, Information Security, Socket Programming
Area(s) of Interest	Information Retrieval, Information Security,Penetration Testing, Big Data , Computer Networks
Tools	Eclipse,Git,BitBucket,WireShark,Network Miner,Keyloggers, Dart for Data Forensics, Perfect KeyLogger.
Programming Language(s)	C,C++,Java,Python,HTML5,CSS,JS,AngularJS,Bootsrap,Servlets
Database	Mysql,PostgreSQL
Technical Electives	Game Theory, Optimization

Workshops Ethical Workshop by i3indiya, Network,Network simulation and Information Security (NWNSIS- 2014)

PROJECTS

Simulation of estimated time of man waiting in a Traffic.

Team Size -6

Working as a Team Leader, we have to randomly generating the traffic based on poisson process value,and simulating the estimated time for man cross the road without hitting with the traffic. We had simulated it with Python using Pygame Library.

PROJECTS

College Management System

Team Size - 9

Working as Team Leader, We had made College Management System in our Software Engineering Course. We worked in four major domains in which are college are having issue in maintaining. We made web based application with MVC framework. We also worked on automated SMS system for our Collge Transport facility for faculty so that they can get SMS of the taxi which he has to take so to reach our college along with all the necessary information.

PROJECTS

Offline TypeRacer

Team Size - 3

In our Computer Network Course, we had build an offline typeracer which can be connected with either LAN or wifi-access point so as user can race between them. We are also working on enabling voice chat while racing. Offline Typeracer is a standalone software made in JAVA. GUI is made using JAVA FX.

Projects

College Social Networking Site

Team Size - 3

In Web Technology Course we had made Social Networking site using Java Servlet and Jsp. We had used struts MVC framework for making the website. We had also used bootstrap 3.0 and Jquery for making it more responsive.

Projects

RSA Encrypted Chat App

Team Size - 3

In our Information Security Course, we had developed Chat App on the network with the help of sockets.The famous RSA algorithm was used for the security as public and private keys were generated from the generating algorithm.Each message sent from the sender to receiver got converted into cipher text and using ones private key only the person can decrypt the hidden message.

Projects

PGP Encryption into emails SQl injection attacks on web application

Team Size - 1

In our Information Security Mini Projects, I had done two project. First one is Sql injection attack on the websites and vulnerability testing. In another one, we had used Pretty Good Privacy (PGP) to encrypt and sign email by using Gpg4win.

Projects

Text Summarizer and Simplifier

Team Size - 5

In our College Hackathon event, We had made an Text Summarizer and Simplifier. It Will take a Technical Document as input and then generate the Summary of that document. It will also in turn simplify the tough words of the documents without changing its context. We had used many algorithms of Information Retrieval and Machine Learning

Projects

Intern at CityExploro

Currently in progress.

Position(s) of Responsibility

Project Lead of College Management System
Member Student Placement Cell
Member Of Organizing Committee (DBA), Student Body Government,IIITV
Member Of Bus Committee ,IIITV

Interests and Activities

Penetration testing, learning about new hacking tools, Counter Strike ,Watching Movies.

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