DONKADA VISHAL DHEERAJ

Course : **B.E. (Hons.)**, Computer Science, 2022
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CGPA : 7.31

ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	PCM	VelocIITy Educational Institiue	Telangana State Board for Intermediate Education	94.8 %	2018
CLASS X		Viswabharati English Medium High School	Andhra Pradesh SSC	97 %	2016

Subjects / Electives	Database Systems, Microprocessors and Interfacing, Digital Design, Object Oreiented Programming (Java), Fundamentals of Finance and Accounting, C Programming, Data Structures and Algorithms
Technical Proficiency	C++ Language, Java, C Programming, MySQL, HTML5, Selenium WebDriver, TestNG, Jenkins, MS Office Suite, Eclipse, PHP, IntelliJ IDEA

SUMMER INTERNSHIP / WORK EXPERIENCE

Intern, Starmark Software Pvt Ltd   May 2020 - Aug 2020
- Areas: HTML5, CSS, PHP, MySQL, Selenium testing, Apache POI, TestNG, Jenkins
- Focused on understanding the importance of automated testing, how it is done and development of a testing framework.
- The framework is also modified into a TestNG class and integrated with Jenkins to periodically run tests and report the results via email.
- Learned about different tools offered by Selenium Suite primarily focusing on Selenium WebDriver
- An HTML5 webform is made and used as a working ground for the project. Data entries are stored in an MYSQL database connected through PHP.
- A Testing Framework is built which would import test cases from an Excel sheet, run the tests in a headless driver and finally report back into the excel sheet.
    Git Link to Source code

PROJECTS

Table Normalization Tool - Database Systems   Mar 2020 - Apr 2020
- Areas: Database Systems, Data Structures and Algorithms, Java, Java swing
- The project primarily focuses on learning the importance of Table Normalization employed during the design of a database and building a Java application that takes an input of the structure of relations and outputs the Normal Form it is in.
- The tool also suggests relational decomposition to take the relational model to the next Normal Form
    Git Link to Source code

Extendible Hashing Tool - Database Systems   Mar 2020 - Apr 2020
- Areas: Data Structures and Algorithms, Java, Java Swing
- The project is with regard to Extendible Hashing, a dynamically updateable disk-based index structure that implements a hashing scheme utilizing a directory.
- The index is used to support exact match queries.
- The hash function can be customized as per requirement.
- A Java Netbeans application is built which takes numerical input from the user and hashes one by one into the hash-buckets.
- The hash directory along with the hash buckets are displayed with corresponding Local Depth and Global Depth.
- An element can be searched for in the buckets.
- The tool accepts only numerical data, any other character will immediately be consumed.
- The GUI is scripted in Java Swing and the hashing algorithm is written in Java.
    Git link to the source code

Cab Booking Application - Java, Data Structures and Algorithms, MySQL   Oct 2019 - Nov 2019
- A Java Netbeans application is built which has the following features.
- A new user can register by providing necessary details.
- A ride can be booked between two locations and the nearest driver with better rating and who is not already on a ride will be assigned the trip.
- User can manage payments and view trip history.
- Dijkstra's algorithm is employed to find the shortest path in the virtual map(graph) and assign the suitable driver.
- Front-end is scripted in Java Swing with Netbeans.
- MySQL database is used to store and pull the required data.
    Git link to source code

CERTIFICATIONS

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CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Software Engineering Virtual Internship	InsideSherpa	Done practical task modules on Establishing Financial data feeds, Frontend Web Development and Data Visualisation with Perspective. A virtual experience involving the development of an alternative way to visualize and analyze share price data for traders to alert them of potential trading opportunities. A system is set up to interface with a relevant data feed, make calculations, and present that in a way that allows the traders to visualize and analyze this data in real-time.This visualization of charts and data analysis the traders see is built as per JP Morgan Chase's own open-sourced software called perspective.The system facilitates the trader's requested changes and delivers actionable insights.

EXTRA CURRICULAR ACTIVITIES

Photography
Always been an admirer of great photography. Recently started exploring cameras and bought one for myself to never miss a chance of capturing beautiful moments.

Football
I was introduced to this beautiful game of Football by FIFA 10, a video game. Been an avid analyst and a loyal fan of not just some clubs but of the wonderful game it is, ever since.

COMPETITIONS

JEE Advanced — May, 2018

LANGUAGES KNOWN

English, HIndi, Telugu