Deeksha

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SOFTWARE DEVELOPER

Profile

I have concluded my comprehensive studies in Computer science and Web Development which has imparted me with all the skills required to venture into the work field. I am an organized, reliable, autonomous person with a strong sense of creativity and optimism. I am a keen learner and open-minded person who likes to acquire and utilize new knowledge to overcome challenges.

Technical Skills

Programming Languages	Java, C/C++, C#, JavaScript, PHP
Structuring Languages	HTML5, SASS, CSS3, XML
Software	AdobeXD, Corel, Photo-shop, Putty
Libraries and Framework	React, Vue.js, Java Swing, JSP, Servlets, Spring
Database	MySQL, SQLite, PostgreSQL, Firebase
IDE	Node.js, Visual Studio, VS Code, NetBeans, Eclipse, Intellij,
Design Methodology	MVC, Singleton
Version Control	GitHub, GitLab Git Bash
HTTP Servers	Apache Tomcat
Operating Systems	Linux, Windows 7,8,10

Professional Experience

Junior Software Developer   February 2021 – August 2021

McGill University – Montreal, Canada

- Created modules of a web application for the use of researchers with front-end in **Vue.js** and back-end linking to **Firebase** involving creating forms, card views, lists, fetching, inserting and displaying data from the database to track the activities of patients and physicians.
- Fixing the web application setup for tracking Glucose levels on **Heroku** and establishing the connection to **MongoDB** atlas and adding more features to web application developed in **React.js**.
- Involved in creating unit tests for an android applications using Java and Kotlin.

Android Developer | Learning Application for kids   https://github.com/deekshadeeksha/LearningApp.git

Fikar-E-Hondh**(NGO)** – Jalandhar, India   January 2019 – July 2019

- Application developed for kids needs to enhance their learning and cognitive ability.
- Extensive and interactive UI using XML with colors and graphics pertaining to young minds
- Different levels provided for different levels of learning.
- Involves small games like puzzles and matching.
- Backend for the application which involved creating functionalities and connections developed in java.

IELTS, Aptitude Test Trainer   October 2018 – November 2018

Lally Infosys – Jalandhar, India

- Worked as a Trainer helping students prepare for the IELTS test which included speaking, writing, and reading skills in English.
- Helped students building their strengths for aptitude tests including mathematics, logical reasoning and verbal reasoning skills.

Education

Programming and Internet Technology, Postgraduate Diploma   2019 – 2021

ISI, Institut Supérieur d'Informatique – Montreal, Canada

Computer Science and Engineering, Bachelor's Degree   2014 – 2018

Guru Nanak Dev University – India

Projects

J2EE | Battleship Game Application   https://github.com/deekshadeeksha/BattleshipGame.git

- 2D platform game created using Swing library.
- Dynamic menu lets the user choose its opponent either a human or computer
- Separation of concerns using MVC software design pattern.
- UI that lets users interact with buttons and play games resulting in loss or win.
- Ships are randomly relocated at the beginning of each game.

React, Node.js | Playlist Website   https://github.com/deekshadeeksha/DiscogAPI.git

- Website developed for music playlist creation, where user can search for a song and add it to the playlist and modify that playlist.
- Node used to handle API services, and in the project for music disocg API was used.
- REST used on the server side to connect clients with the server with HTTP standard methods.
- React used to create interactive UI displaying the music gathered from API and also from the database.
- Part of a three-programmer team where my part involved REST, node and database handling.

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J2EE | E – Commerce Web Application

- Shopping website was created using various libraries of Java like Swing, Awt and Hibernate.
- Has connection to MySQL database.
- Contains three basic divisions – user, admin and seller.
- The various elements displayed picked directly from database making it dynamic with editing rights to admin.
- The data collected about purchase, sales, inventory, user and seller record kept and stored in database and can be edited as necessary from the front end.
- Part of a three-programmer team, where my part involved handling user and admin divisions.

Java, HTML, CSS | Book E – Shop　　　　　　　　https://github.com/deekshadeeksha/BookShop.git

- Web Application for selling books online and searching for books in the google libraries.
- Designed using HTML, CSS and JavaScript.
- Back end designed using various Java libraries and MySQL database used for storage and with MVC software design pattern.
- Google API used to create a library feature for user to search books an add them to database.

C++ | Paddle Game

- Two player game where users move paddle up and down using arrow keys and prevent the ball from hitting the wall.
- Separation of concerns with separate classes for ball, paddle, ball and player with respective header files for each.
- Use of utility libraries for coordinates, positioning, and direction of various elements on the screen.

C | Banking Management System

- Banking system equipped with functionalities of creating, removing and showing the account, withdrawing, depositing money along with displaying the various account information.
- Use of templates, conditional statements, looping statements, objects, functions and arrays to handle the data and information of client details.

HTML, CSS | Health Lifestyle Website Design　　　　https://github.com/deekshadeeksha/Health-Taste.git

- A website designed focusing on healthy lifestyle and keto diet.
- Design involved the use of both CSS and SASS.
- Varied features of CSS like selectors, flex-box, animation, layouts, graphic effects used to create four-page website.

Volunteer Experience

Member of Leo Club　　　　　　　　　　　　　　　　September 2017 – September 2018

Lions Club International – Jalandhar, India

- Worked along with junior members of the club to organize blood camps.
- Distributing stationery items to needy students in schools.
- Organizing eye checkup camps.

References available on request.

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