SHREYA SINGH
SOFTWARE ENGINEER

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EDUCATION

Banasthali Vidyapith · Current
Master Of Computer Applications with 9.64 CGPA, 2024
Bachelor Of Computer Applications with 9.37 CGPA, 2022

St. Michael's Convent School
Senior Secondary School with 77.4%, 2019
Secondary School with 87.4%, 2017

RELEVANT COURSEWORK

Data Structures and Algorithms, Database Management Systems, Object Oriented Programming, Operating System, Data Communication and Networking.

SKILLS

PROGRAMMING SKILLS :: C, C++, JAVA
DATABASES :: MySQL, SQL Server
EDITOR & IDE:: Visual Code, Visual Studio

PROJECTS

VISIONNAIRE: A SOCIAL MEDIA WEBSITE   Jan. 2023 to Apr. 2023
Developed a **dynamic social media** platform with **HTML, CSS, AJAX, PHP and MySQL** similar to **Facebook** that facilitates interactions and communication among individuals or groups through virtual communities and networks with a group of **3 members**. Editor & Tools: **Visual Studio Code** & **XAMPP server.   Specific Roles :-**
- **User Registration -** Implemented a user registration system that allows **users to create accounts**.
- **User Profiles -** Designed user profile pages where users can add **personal information, profile and cover images**.
- **Friend Connections -** Enabled **users to connect** with friends, family, and acquaintances.
- **News feed -** Created a **dynamic news feed** where users can see updates and **posts from friends they follow.**
- **Posting and sharing -** Implemented the ability for users to **create posts and share photos** with **caption** on their profiles. Users have the option to **comment on** and **like** other users' posts.
- **Like & Comment -** Engage with others through **likes and comments.**
- **Messaging -** Incorporated a messaging system that enables users to send **private messages** to their friends.
- **Notifications -** Implemented a notification system to alert users about **activities** related to their profiles, such as **followers, likes and comments.**

WEBTEST: A DESKTOP BASED QUIZ APPLICATION (PERSONAL PROJECT)   Oct. 2022 to Nov. 2022
Developed a **quiz application** which provides an interactive and user-friendly platform for conducting quiz based on JAVA on a desktop computer. The **Java AWT** and **Swing libraries** are utilized to design the **graphical user interface (GUI)**, enabling a visually appealing and intuitive user experience with **MySQL** as the backend database management system. Editor & Tools - **Ecllipse** and **MYSQL Workbench**
- **Admin Login -** Implement an admin login system that allow **admin to see the feedback of users**.
- **User Registration and Login -** Implement a user registration and login system that allow **users to access the Quiz application.**
- **Quiz Creation -** Created the Quiz by defining **questions, options, and correct answers** in **Multiple-choice question** formats in the code itself.
- **Quiz taking -** A **timer feature** is implemented that allows users to test knowledge under pressure.
- **Lifeline - 50-50 lifeline** feature has been implemented to utilize a lifeline during a quiz to narrow down their choices by eliminating two incorrect options.
- **Score Tracking -** After completing a quiz, users receive a summary of their results, including the **total score.**
- **Feedback -** After completing the Quiz users can give their **feedback about the questions** and level of Quiz.

SHOPBUDDY: AN E-COMMERCE SHOPPING WEBSITE   Jan. 2022 to Apr. 2022
Developed the e-commerce website creating a fully functional shopping platform with an admin panel for efficient management with a group of **4 members.** The website was developed using **HTML, CSS** for responsive design. **JavaScript and AJAX** were utilized to make the website dynamic. **phpMyAdmin** tool used for managing and administering **MySQL**. Editor & Tools: **Visual Studio Code** & **XAMPP server.**
Specific Roles :-
- **User Registration -** Users can **create accounts, log in** and **manage their profiles.**
- **Categories -** Users can shop from **different categories** such as men, women and kids.
- **Product Catalog -** A comprehensive **catalog displays products** with details, images and pricing.
- **Search -** Users can **search products** based on criteria.
- **Shopping Cart -** Users can **add products to their cart**, **view the cart contents**, and proceed to **checkout for payment.**
- **Dummy Payment Gateway Integration - Dummy payment** gateway has been implemented
- **Dynamic Updates -** AJAX techniques were implemented to provide **real-time updates**, such as **cart updates without page reloads** and to implement a pricing strategy that **increases the price when the quantity increases.**

KEY ACCOMPLISHMENTS

- **HackerRank** certified in basic **_Problem Solving, SQL_** and **_JAVA_**.
- **Technical Subcore:** Contributed to College's Biggest Technical Fest - **"Mayukh"**, overseeing event management and coordination. Played a key role in organizing and executing a **Hackathon** along with **25+ technical and non-technical events** for Mayukh (2023).
- **_Let's Grow More Summer Of Code'21_ -** Selected as a Participant in this program and gained valuable experience.
- **School-Level Leadership:** House Captain of St. Joseph House (2018-2019).