

# SIMRAN KAUR

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## Education

### Rayat Bahra University

B.TECH in Computer Science

CGPA: 8.63

2021 – 2025

Kharar, Mohali

### Bhai Nand Lal Public School

12th

71 %

2017 – 2019

Anandpur Sahib, Punjab

### Peer Baba Jinda Shaheed Public School

10th

78.92 %

2007 - 2017

Singhpur, Punjab

## Projects

### A Food Website

#### Key Features:

- **Recipe Search:** Implemented a user-friendly search bar to allow users to quickly locate recipes by entering keywords or filtering by specific categories.
- **Detailed Recipe Descriptions:** Provided comprehensive recipe descriptions, including ingredient lists, step-by-step instructions, and nutritional information to guide users through the cooking process.
- **Video Tutorials:** Integrated video tutorials to visually demonstrate recipe preparation techniques, enhancing user understanding and engagement.
- **Technologies Used:** HTML, CSS, Javascript

### Travel Management System

#### Key Features:

- **User Registration and Login:** Implemented a secure user registration and login process to allow users to create accounts and access personalized features.
- **Accommodation Booking:** Provided a user-friendly interface for browsing and selecting accommodations.
- **Data Storage and Management:** Utilized Java's data storage capabilities to securely store user information.
- **Technologies Used:** JAVA, MySQL

## Accenture UK Developer and Technology Virtual Experience Programme on Forage - December 2024

- Completed the Developer and Technology Job Simulation where I developed an end to end understanding of the Software Development Lifecycle.
- Conducted in-depth research into emerging technology trends, particularly in the field of DevOps, demonstrating a proactive approach to staying informed about the rapidly evolving tech landscape.
- Created and delivered a compelling PowerPoint presentation analysing and comparing Waterfall and Agile methodologies.
- Designed a custom algorithm using pseudocode and effectively communicated its logic by creating a detailed flow diagram.
- Debugged a program written in Python by fixing syntax and logic errors in the code.

## Goldman Sachs Software Engineering Virtual Experience Program on Forage - December 2024

- Completed a job simulation as a Goldman Sachs governance analyst responsible for assessing IT security and suggesting improvements.
- Identified that the company was using an outdated password hashing algorithm by cracking passwords using Hashcat.
- Wrote a memo for my supervisor summarizing a range of proposed uplifts to increase the company's level of password protection including extending minimum password length and using a dedicated hashing algorithm.

## Certifications :

- Certified in HTML and CSS web development by Udemy
- Certified in Full Stack Development (Rayat Bahra University)
- Certified in Python Web development by Udemy
- Certified in JAVA (Rayat Bahra University)

## SKILLS:

**Programming:** HTML, CSS, JavaScript, React, Java, MySQL, Python, Agile, Algorithmic Thinking, Career Benefits, Code Debugging, Comparative Analysis, Flow Diagramming, Ideaboarding, Knowledge Demonstration, Pseudocoding, Software Development Lifecycle, Software QA, Software Testing Lifecycle, Technology Careers, Trends Analysis, Waterfall, Cryptography basics, Password best-practice, Password cracking

**Tools:** VS Code, Eclipse IDE, Git, IntelliJ, PyCharm, MySQL Workbench 8.0

**Soft Skills :** Teamwork, Decision-Making