

## **Delphi Experience:**

### **Education:**

- Studied Delphi programming language from Grade 10 to Grade 12.

### **Experience Level:**

- Intermediate

## **Grade 10: Food Ordering System**

- Developed a comprehensive food ordering system.

### **Key features:**

- User authentication including login, registration, and CAPTCHA verification.
- Utilized tab controls for seamless navigation between pages.
- Implemented ordering functionality with item selection, pricing, and discount calculations.

## **Grade 11: Soccer Scores Tournament**

- Created a program to manage scores for a soccer tournament.

### **Key features:**

- Defined user roles: Admin (Organizers), Coach, and Spectators with role-specific functionalities.
- Enabled dynamic addition and removal of teams from the database.
- Tracked and recorded scores, with points tracking after each game.
- Included search functionality for teams and scores.
- Offered multiple tournament models: Ladder and Elimination.

- Displayed winners and tournament matches' results at the end of each tournament.

## **Grade 12: CO2 Calculator**

- Developed a program to calculate monthly CO2 emissions for individuals.

### **Key features:**

- Multi-role authentication for users and admins, with special admin access for data analytics.
- Account management functionality for users.
- Utilized radio buttons to display additional CO2 emission options.
- Generated total emissions for each category and an overall total.
- Provided advice on reducing CO2 emissions and environmental conservation.
- Managed client information and data analytics through databases.

### **Technical Skills:**

- Loops and Conditions (if, nested if, while, nested while, for, nested for, repeat).
- Object-Oriented Programming.
- Arrays and 2D Arrays.
- Middleware (e.g., OTP implementation).
- ADO Tables and Databases.
- Reading and writing to text files and Microsoft Access databases.
- SQL.

- UI development and coding.
- Validation techniques for user input.
- Page control and navigation through forms and tables.
- All GUI components