**Introduction**

The Student Portal Login Panel is a C++ application with a graphical user interface (GUI) designed for student authentication. It provides a secure and user-friendly login system using frameworks like Qt or Windows Forms.

**Features–**

Login Interface:

* Fields for Username and Password(Hashing & Masking).
* Dashboard for Student Information
* Login, SignIn, SignUP(Account Creation), Logout
* Uses Qt for a modern interface.

**Work Progress:**

**Previously:**

* Login Window, Logout using GUI Framework

**Completed:**

* Dashboard(View Student Information: Students can view their submitted information in a user-friendly dashboard.

Edit Student Information: Allows students to update their details as needed)

* Adding a csv file for user’s data management.
* Adding Photo path for student information

**Ongoing:**

* Adding CGPA Calculator
* Course Enrollment & Analysis
* Parking and Payment Management

**Conclusion**

The Student Portal Login Panel is a robust and secure C++ application designed to streamline student authentication and information management. Leveraging the power of the Qt framework, the application provides a modern and user-friendly graphical interface, ensuring a seamless experience for students. Key features such as secure login with password hashing and masking, a comprehensive dashboard for viewing and editing student information, and efficient data management using CSV files have been successfully implemented.