Online Exam Portal – A Secure Web-Based Examination System with Automated Grading

The **Online Exam Portal** is a **secure and scalable web application** that allows institutions to **conduct online tests with automated grading and result generation**. It eliminates the **manual workload of examination management** while ensuring academic integrity.

Key features include:

- **User Authentication & Role-Based Access** – Separate access for students, teachers, and admins.
- **Question Bank & Test Creation** – Teachers can create tests with **multiple-choice, short-answer, and coding questions**.
- **AI-Powered Cheating Detection** – Proctoring system with **face detection and browser activity tracking**.
- **Automated Grading System** – Instant evaluation of multiple-choice and programming questions.
- **Result Analysis & Performance Reports** – Students receive detailed feedback and analytics.

Developed using **Flask/Django for backend, React.js/Vue.js for frontend, and MySQL/PostgreSQL for database management**, this system ensures **data encryption and user authentication security**.

This project provides **a reliable, secure, and efficient online examination experience**, reducing administrative workload while enhancing the assessment process.