

LearningChain Ecosystem

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graph TD; Institution1[Institution] --> ERP1[ERP]; ERP1 --> Result[Result Declaration  
Student Certificate  
Print Data]; Result --> Printer[Dedicated Printer]; Printer --> API1[API]; API1 --> QR1[Certificate With Secure QR Code  
Printing Process]; QR1 --> QR2[Certificate With Secure QR Code]; QR2 --> DigiLocker[DigiLocker]; DigiLocker --> Institution2[Institution]; Institution2 --> Student[Student Receives Certificate with  
secure QR code]; Student --> Job[Apply for Job/Admission]; Job --> Verifier[Verifier]; Verifier --> QR3[QR Scanning]; QR3 --> Details[Student Blockchain Details];
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The diagram illustrates the LearningChain Ecosystem, a process for generating and verifying student certificates using blockchain technology. The process is divided into two main paths: one for generating certificates and another for verifying them.

Top Path (Certificate Generation):

- Institution:** The process begins with an institution (represented by a building icon) sending data to an **ERP** system.
- Result Declaration Student Certificate Print Data:** The ERP system generates data for result declaration, student certificates, and print data.
- Dedicated Printer:** The data is sent to a dedicated printer (represented by a printer icon) for printing.
- LC API Integration Process for Blockchain secure QR code generation:** The printed data is then processed by an **API** (represented by a server icon) for integration with the LearningChain system.
- Certificate With Secure QR Code Printing Process:** The API generates a secure QR code, which is then used to print the certificate.
- Certificate With Secure QR Code:** The final output is a certificate with a secure QR code.

Bottom Path (Verification and Distribution):

- DigiLocker:** The certificate with the secure QR code is stored in a **DigiLocker** system (represented by a person icon).
- Institution:** The institution (represented by a building icon) receives the certificate from DigiLocker.
- Student Receives Certificate with secure QR code:** The student receives the certificate with the secure QR code.
- Apply for Job/Admission:** The student uses the certificate to apply for a job or admission.
- Verifier:** A verifier (represented by a person icon) receives the application and verifies the certificate.
- QR Scanning:** The verifier scans the QR code on the certificate.
- Student Blockchain Details:** The scanning process reveals the student's blockchain details, which are displayed on a screen (represented by a screen icon).

Additional Information:

- In House Preprinted Stationary:** A section on the left shows a sample of a certificate with a QR code, indicating that the system supports preprinted stationary.
- Student Blockchain Details:** A table below the sample certificate shows the details of the student's blockchain record, including fields like Name, ID, and Address.

