



AWS Automation Dashboard







Project Applications - Where This Web App Can Be Used

The **AWS Automation Dashboard** is a powerful platform that integrates multiple AWS services into one web interface. Below are areas where it can be applied effectively.




Academic Applications

-  **Face Recognition Attendance Systems**
 - Upload face datasets to S3
 - Use AWS Rekognition to match and log
 - Store attendance logs in RDS
-  **Deploying Machine Learning Projects**
 - Host ML model APIs (Flask, FastAPI) on EC2
 - Store inference results or logs in RDS
-  **Database Projects**
 - Build relational DB-backed applications
 - Connect external apps to your RDS MySQL DB
-  **Cloud-Based Data Pipelines**
 - Automate data collection, backup and snapshot using RDS
 - Visualize input/output files via S3 dashboard







Industry / Enterprise Use


-  **Automated Cloud Backup Solutions**
 - Daily/Weekly snapshots of RDS DBs
 - Restore in case of crash/failure

-  **Dev/Test Environments on EC2**
 - Quickly create/terminate test servers
 - Ideal for QA teams and internal testing
-  **S3 File-Based Applications**
 - Store design assets, reports, or code archives
 - Use versioning, permissions via AWS Console if needed
-  **Team-Based Infrastructure Management**
 - Multiple teams can share dashboard access
 - Ideal for startups and mid-sized cloud projects

 Toggle Mode

Developer & Learner Use Cases

-  **AWS Certification Preparation**
 - Practice Boto3 scripting without CLI
 - Understand IAM, EC2, S3, RDS relationships
-  **Cloud Automation Projects**
 - Build and deploy serverless/automated tasks
 - Integrate with CI/CD pipelines for cloud workflows
-  **Portfolio Projects**
 - Showcase how to deploy apps using EC2
 - Display DB design, snapshot recovery in RDS
-  **Hackathons / Cloud Bootcamps**
 - Rapid development with minimal AWS Console usage

 *This tool supports learners, professionals, and teams aiming to build scalable and manageable cloud-based applications efficiently.*