



Geofenced Attendance using AWS Rekognition



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Challenge:

Many clients needed real-time visibility into workforce attendance — especially for remote teams and field employees — to ensure accuracy in time tracking and payroll processing.

Solution:

We developed a geofenced attendance application integrated with AWS Rekognition, enabling precise and automated attendance management.

- Geofencing ensures employees can clock in and out only within authorized locations.
- AWS Rekognition verifies employee identity by matching live photos against registered profiles, eliminating buddy punching or false check-ins.
- The system captures photos, validates them using facial recognition, and logs geolocation data for each clocking event.
- Attendance data seamlessly integrates with payroll and HR policies, providing real-time insights and automation of compliance rules.

Outcome:

- Accurate, tamper-proof attendance records
- Automated payroll-ready reports
- Instant alerts for attendance deviations
- Improved workforce productivity and trust

This intelligent combination of geolocation and AI-driven facial recognition empowers managers to maintain operational visibility and efficiency — even across distributed workforces.