

# Slayde Sequeira

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## Education

Fr. Conceicao Rodrigues College of Engineering

Mumbai, India

Bachelor in Computer Engineering with Honors in Data Science, **CGPA 8.99**

2021 – 2025

## Professional Experience

HyperVerge – SDE-1

Jan 2025 – Current – Bengaluru

- Designed and deployed a **config-driven usage analytics microservice** using **Node.js and AWS RDS**, supporting flexible time-based analytics and user activity metrics for **1k+ active users**, processing **100k+ events/month** with **p95 API response times <78ms at 120 req/s**.
- Developing and owning features for an **AI-powered Contract Lifecycle Management (CLM)** platform using the **MERN stack**, enabling automated contract workflows and real-time collaboration.
- Designed and implemented **distributed backend services** using **Node.js and MongoDB**, leveraging **AWS (EC2, S3, SQS)** to build resilient, event-driven pipelines for asynchronous processing and contract document workflows in production.

Svirtz Technologies Pvt Ltd – Web and App Developer Intern

Oct 2023 – Jun 2024 – Remote

- Developed a **native Android application** integrating video conferencing features and seamless interoperability with existing enterprise web platforms.
- Optimized network requests, caching strategies, and UI rendering to **reduce app load times by 30%**, improving overall responsiveness and user experience.

DigiHelic Solutions Pvt Ltd – Web Developer Intern

Dec 2023 – Mar 2024 – Remote

- Developed a **full-stack immigration management platform** with real-time status updates, streamlining application tracking and case management workflows.
- Built scalable web features using **Next.js, Node.js, and MongoDB**, implementing secure APIs and optimized database queries for responsive user experiences.

## Projects

Console Gaming App

Nov 2024 – Jan 2025

- Built and delivered a production-grade **Flutter-based mobile application** from scratch for a **console gaming lounge franchise** with **11+ physical store locations** across Mumbai, serving real customers at scale.
- Designed and implemented a **full-stack architecture** using **Flutter, Node.js, and MongoDB**, integrating **secure authentication, payment workflows, and access control** to support tournaments, rewards management, and multi-store user segmentation.
- Launched the app on **Google Play Store** and iOS, achieving **20k+ downloads** and enabling customers to participate in in-store and online gaming events through a unified platform.
- Optimized UI/UX and state management to deliver a **smooth cross-platform experience**, improving user engagement and driving a **18% increase in 30-day customer retention**.

Smart Bin+

May 2023 – Apr 2024

- Built an **IoT-enabled smart waste management system** using **machine learning-based image classification** for real-time waste identification and segregation.
- Deployed cloud infrastructure using **AWS EC2, S3, and AWS IoT Core** to support scalable data ingestion, model inference, and device monitoring.
- Integrated an **Android rewards application** with backend APIs, incentivizing responsible waste disposal through a points and redemption system.

## Achievements

- Winner SunHacks'24 Intl. Hackathon
- Winner Ingenium 2.0 Hackathon
- Winner S.P.I.T Hacks 2025
- 3rd place Algholics 2.0 Hackathon
- Runner up Techvista Coding Contest
- Runner up Hyperverge Astral Cup Hackathon

## Skills

- React
- Node.js
- SQL
- Android
- Firebase
- Next.js
- MongoDB
- Java
- AWS
- Git

## Research Work

SmartBin+: Elevating Responsible Waste Disposal with Rewards

Sept 2023 – Oct 2024

Lead Author

Published in IEEE XPLORE

- Developed an IoT-based waste management system with machine learning and Android app integration.
- Presented research at the 4th International Conference on Sustainable Expert Systems (ICSSES).

## Courses

- AWS Academy: AWS Developing Course
- Udemy: Complete Android Development
- ISRO: Geodata Processing in Python
- J.P. Morgan Chase: Virtual Software Engineering Experience