Nitish Kumar

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Education

St.Joseph's Institute of technology	2021-2025
Bachelor of Engineering (GPA: 8.82 / 10.00)	*Chennai, Tamilnadu*

- **Relevant Coursework:** Data Structures and Algorithms

Experience

Madura Coats	May 2023 – Jun 2023
Cloud Computing Trainee	*Chennai, Tamil nadu*

- Got mentorship from senior developers and gained hands-on experience during an internship
- The main focus of the project is to automate the process of data migration from the physical sql storage to cloud sql storage in one click .
- It utilizes Google Cloud Platform, Python, and Jupyter Notebooks (Anaconda) to create a backup file, upload it to a Google Cloud Storage bucket, and restore it to the Cloud SQL server.

Projects

Youtube Approval System | — *Spring Boot, YouTube API, PostgreSQL, React.js, Google Cloud Storage, Zapier*

- Led the development of a platform for YouTube content approval using Spring Boot as the backend, allowing editors to upload videos, titles, and descriptions, with the owner able to approve or disapprove the content before it's uploaded.
- Designed the backend API to handle editor and owner authentication using JWT, ensuring a secure role-based access control system with PostgreSQL for data persistence.
- Achieved a 50% reduces in manual intervention time for video uploads and approvals, while ensuring full security and control for the YouTube channel owner.

Chat Room Applicaton | — *Spring Boot, WebSocket, React.js, Redis*

- Spearheaded the creation of a real-time chat room application built with Spring Boot on the backend, enabling multiple users to engage in simultaneous conversations across various chat rooms.
- Achieved a 30% improvement in message delivery speed by optimizing WebSocket connections and reducing server load with efficient resource management.
- Scalability improved by 40% through the integration of Redis and efficient session handling, allowing the application to support a large number of concurrent users without degradation in performance.

Technical Skills

Languages: Java, C, Python, JavaScript
Middleware: Spring, Spring Boot
Frontend: HTML, CSS
Backend: PostgreSql, MySql
Tools: Spring Tool Suite, Jupyter NoteBook

Achievements

Conocithan: This presentation examines how connected cars are revolutionizing transportation by transforming the automotive landscape and advancing automotive technology.
Clever Bot Symposium: I participated in a Symposium and won third prize in the Clever Bot Quiz competition
Xploits Symposium 2.0: Engaged in the Symposium Coding Contest, demonstrating proficiency in problem-solving, algorithmic thinking, and coding skills across diverse challenges

Certifications

NPTEL: Introduction to Machine Learning, IIT Madras
Spoken Tutorial : Fundamentals of Java, IIT Mumbai
Be10x: Microsoft Office using AI Tools