

# Nivas Sivakumar

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## SUMMARY

Motivated and detail-oriented B.Tech final-year student with a strong foundation in data analysis, business intelligence, and problem-solving. Skilled in data cleaning, visualization, and interpretation using tools such as Excel, SQL, R, and Tableau. Experienced in applying analytical techniques to derive actionable insights that support business decision-making. Eager to leverage technical and analytical skills in a dynamic business analyst role to drive data-driven strategies and organizational growth.

## EDUCATION

### Bachelor of Technology in Artificial Intelligence and Data Science

Sri Shakthi Institute of Engineering and Technology • Coimbatore, Tamilnadu, India • 2026 • 7.2

### SSC and HSC

Chettinad Public School • Karaikudi, Tamilnadu, India • 2022

## CERTIFICATIONS

### Google Professional Data Analytics

Coursera • 2025

- Learned how to clean, organize, and prepare data for analysis using spreadsheets, SQL, and R.
- Gained hands-on experience in visualizing and presenting data insights through dashboards, presentations, and visualization tools.
- Developed key analytical skills like data cleaning, analysis, and visualization using tools such as spreadsheets, SQL, R, and Tableau.

### Business Data Cloud

SAP Learning • 2025

- Demonstrates a strong foundational knowledge of SAP Business Data Cloud, enabling effective participation in projects.
- Validates essential skills required to work collaboratively in a team, contributing to implementation, analysis, and optimization of SAP cloud-based data processes.

### Data Science 101

IBM • 2023

- Developed foundational knowledge of SAP Business Data Cloud, supporting data management and cloud solution initiatives.

## PROJECT

### AI integrated IoT Automation

- Developed a Flutter Android app integrated with Arduino to control hardware devices remotely over the internet.
- Integrated a cloud database for storing user data, device configurations, and system logs to ensure seamless synchronization.
- Implemented secure authentication and authorization to protect user data and prevent unauthorized hardware access.

### Spam Detection Model

- Built a modular ML model using NLP to analyze text and distinguish spam from ham using Kaggle datasets.
- Developed a real-time prediction system with a user-friendly interface, allowing instant message classification and smooth backend integration.
- Applied extensive text preprocessing and feature extraction techniques including tokenization, stop-word removal, and TF-IDF.

### Chatbot For Website Integration

- Developed a Rasa-based chatbot for a college institute and prepared it for website integration.
- Implemented NLU and dialogue management to understand user intents and provide context-aware responses.
- Designed a scalable backend to connect with databases and APIs, enabling dynamic responses like course details, faculty info, and event updates.

### Deep-Fake Detection using Multi-Model Approach with ML Algorithms

- Detection using a multi-model approach combines multiple machine learning algorithms to identify manipulated media.
- The system analyzes facial features, audio patterns, and video inconsistencies to detect tampered or synthetic content across different media types accurately.
- Combining image, audio, and video analysis reduces false positives and ensures reliable performance even in complex or ambiguous scenarios.
- Advanced temporal and spatial analysis tracks subtle frame-by-frame changes and spatial distortions, allowing detection of manipulations that conventional methods often miss.

## SKILLS

Technical Skills: Big Data Analytics, Business Intelligence, Information Management, Predictive Analytics, SQL, Python

Soft Skills: Data Driven Decision Making, Multi Tasking, Coordination, Cross-functional Leadership, Project Leadership, Administrative Tasks

Fields of Interest: Financial Markets, Data Analysis, Consumer Tech, Local LLMs, Networking, AI Model Tuning