

# Dany Binu Luke

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🔗 Codeforces

## Education

### Bachelor of Technology, Computer Science and Engineering

Aug 2023 – Present

National Institute of Technology, Surat

- Engaged in project-based learning, collaborating on software development and system design projects.
- Gaining hands-on experience with database management, data structures, and object-oriented programming.

### High School Diploma

Apr 2009 – Mar 2023

United Indian School, Kuwait

- Completed Class XII and Class X with Distinction.

## Projects

### Trip.com - Flight Ticket Pricing Comparison 🔗

Technology Stack: HTML, CSS, JavaScript

- Developed a responsive front-end website for flight ticket price comparison.
- The website allows users to view and compare prices from multiple airlines, featuring a user-friendly interface designed for seamless navigation and interaction.

### SentiStock AI - Stock Sentiment Analysis and Prediction 🔗

Technology Stack: Python, NLP, Machine Learning

- Developed a machine learning-driven system to analyze financial news sentiment and predict stock market trends.
- Integrated Natural Language Processing (NLP) and machine learning models to derive insights from financial news and forecast market movements.

### Vaani - A Speech-to-Text Summarizer 🔗

Technology Stack: Torch & Transformers, Librosa, Gradio

- Developed an AI-powered tool that integrates Automatic Speech Recognition (ASR), Translation, and Summarization for Indian language audio files.
- Currently supports Hindi, with Malayalam support in development.
- Provides transcriptions, translations, and summaries through an interactive web interface.

## Skills

**Programming Languages:** Python, C, C++, Java (Low-level Proficiency), HTML5, CSS, MySQL

**CS Fundamentals:** OOP, DBMS, Data Structures

**Tools/Frameworks:** PyTorch, HuggingFace Transformers, NumPy, NLP, MERN (MongoDB, ExpressJS, ReactJS, NodeJS)

**Additional Skills:** Teamwork and Project Management, Effective written and verbal communication.

## Courses

### Google Cloud Study Jams

Google Cloud Study Jams

- Gained hands-on experience with key Google Cloud services including Compute, Storage, API Gateway, Looker, Dataplex, Pub/Sub, and Networking.
- Developed skills in AI/ML, using Vertex AI for prompt design, and created GenAI apps with Gemini and Streamlit.
- Implemented cloud functions, app deployment with App Engine, and image analysis with the Cloud Vision API.