

# Dev Mangrani

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[leetcode.com/u/devmangrani](https://leetcode.com/u/devmangrani) | [devmangrani.vercel.app](https://devmangrani.vercel.app)

## EDUCATION

### Vellore Institute of Technology

Bachelor of Engineering in Computer Science and Engineering

Aug. 2021 – May 2025

CGPA: 8.60

## SKILLS SUMMARY

**Languages:** Python, SQL, R, Java, JavaScript

**Technologies & Tools:** Power BI, Tableau, Excel, Git & GitHub, RESTful API, React.js, Tailwind CSS, Node.js, Express.js, MongoDB, MySQL, Vercel

**Data Science & Machine Learning:** Data Analysis, Data Visualization, Data Cleaning, Predictive Analytics

**Computer Science Fundamentals:** Problem Solving, Data Structures and Algorithms, Object Oriented Programming, DBMS

## EXPERIENCE

### Data Analyst Intern

Sept. 2023 – Dec. 2023

*Kamla Auto Industries*

- Designed, developed, and maintained interactive dashboards in **Power BI**, tracking key **KPIs** and business metrics.
- Conducted exploratory data analysis (**EDA**) to uncover actionable insights, trends and patterns, enhancing **data-driven decision-making**.
- Cleaned and preprocessed large datasets using **SQL**, ensuring high **data accuracy** and consistency.
- Collaborated with **cross-functional teams** to provide analytical support, driving **business efficiency**.

## PROJECTS

### Bank Loan Analysis Power [GitHub](#)

**Technology:** Power BI, Excel, SQL

- Built **interactive Power BI dashboards** to analyze loan applications, funded amounts, and borrower profiles.
- Designed **KPI-driven reports** to track loan performance, interest rates, and debt-to-income ratios.
- Applied **DAX functions** and visualized lending trends with **charts and geo-maps** for strategic insights.

### Walmart Sales Analysis [GitHub](#)

**Technology:** SQL, Excel

- Built **Power BI dashboards** to analyze **Walmart Sales Data**, identifying top-performing branches and sales trends.
- Conducted **customer segmentation** and **sales forecasting** to optimize revenue strategies.
- Applied **feature engineering** and **SQL queries** for deep insights into customer behavior and profit margins.

### Cinephile AI [cinephile-ai.web.app](https://cinephile-ai.web.app)

**Technology:** React, Node.js, Firebase

- Developed an **AI-powered movie recommendation platform** using **React 19**, **Node.js**, and **Google Gemini AI**.
- Integrated **Firebase Authentication**, **TMDB API**, and **Redux Toolkit** for seamless user experience.
- Enabled **in-app movie trailer and website viewing**, reducing tab switching and enhancing engagement.

### AI Virtual Keyboard [GitHub](#)

**Technology:** OpenCV, Python

- Created an **AI-powered virtual keyboard** controlled via **hand gestures** using **OpenCV** and **CVZone**.
- Built an **AI-powered virtual keyboard** using **hand gestures** and **computer vision**.
- Integrated **real-time gesture tracking** with **PyNput** for precise keystroke simulation.
- Utilized **OpenCV** for **image processing**, video capture, and seamless live feed display.

## CERTIFICATIONS

- MERN Full Stack Completion Certificate.
- Google Foundations of Project Management

## ADDITIONAL INFORMATION

- Solved **450+ DSA Problems** on Both platform **Leetcode** And **GFG**. Earned **30+ Google Cloud badges**.
- Led as **Club Event Manager**, organizing college events that boosted student engagement and participation.
- Strong **cross-functional collaboration** experience, contributing to **open-source projects** and designing **scalable web solutions**.