Dev Mangrani

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EDUCATION

**Vellore Institute of Technology** Aug. 2021 – May 2025

*Bachelor of Engineering in Computer Science and Engineering CGPA: 8.60*

SKILLS SUMMARY

**Technologies** : Python, SQL, Java, JavaScript, MongoDB, MySQL, React.js, Next.js, Node.js, Express.js, Git & GitHub, RESTful API, Vercel

**Tools :**  Power BI, Tableau, Excel, MS Office, Google Workspace, CRM Tools, Sales Analytics

**AI & SaaS :**KPI Tracking, SaaS Product Implementation, Compliance Solutions, Go-To-Market Strategies

**Data Science :** Data Analysis, Data Visualization, Data Cleaning, Predictive Analytics, Process Automation

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

EXPERIENCE

**Business & Technology Associate**

*Rodella Aerospace Labs*

* Worked closely with the founding team to **shape business strategies** and **drive product innovation**.
* Attended **investor and stakeholder meetings**, presenting upcoming changes and **future growth strategies** to align with market needs.
* Led **troubleshooting efforts** and **stakeholder communication** to resolve technical issues effectively.
* Assisted in defining **go-to-market strategies**, **product roadmaps**, and **business scaling initiatives**.

**Data Analyst Intern**

*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**.
* Led business **process automation**, optimizing workflows through **CRM integration** and **data-driven decision-making**.
* Collaborated with **cross-functional teams** to provide analytical support, driving **business efficiency**.

PROJECTS

**Bank Loan Analysis Power** [GitHub](https://github.com/Devmangrani/Bank-Loan-Analysis-using-PowerBI)

**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](https://github.com/Devmangrani/Walmart-Sales-Analysis)

**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.

**AI Virtual Keyboard** [GitHub](https://github.com/Devmangrani/AI-Virtual-Keyboard)

**Technology:** OpenCV, Python

* Developed an **AI-powered virtual keyboard** that allows users to type using **hand gestures** and computer vision.
* Integrated **real-time gesture tracking** with **PyNput** to accurately simulate keystrokes for a seamless typing.
* Utilized **OpenCV** and **CVZone** for efficient **image processing, video capture,** and smooth live feed display.

CERTIFICATIONS

* **Google Foundations of Project Management**

ADDITIONAL INFORMATION

* 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 Mentor new Developers
* Strong experience in **SaaS business strategy**, **data-driven growth initiatives**, **OKRs** and **business analytics**.