

Dev Mangrani

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EDUCATION

Vellore Institute of Technology

Bachelor of Engineering in Computer Science and Engineering

Aug. 2021 – May 2025

CGPA: 8.60

SKILLS SUMMARY

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

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 Modeling

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

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

EXPERIENCE

Business & Technology Associate

Jan. 2025 – Present

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

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**.
- 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](#)

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.

AI Virtual Keyboard [GitHub](#)

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**.