

# Vishwa Desai

Computer Engineer | Data Science Enthusiast

[✉ vishwadesai.ds@gmail.com](mailto:vishwadesai.ds@gmail.com) [☎ 9664646587](tel:9664646587) [📍 Bengaluru, India](#) [🌐 LinkedIn](#) [🔗 Portfolio](#)

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## 📄 Summary

Computer Engineering graduate (CGPA 8.57) currently pursuing PGP in Data Science, with hands-on experience in building REST APIs, frontend applications, and data analysis projects. Skilled in Python, SQL, and data visualization with strong problem-solving ability. Built projects including data analysis and chatbot-based systems; passionate about data-driven decision making.

## 📁 Experience

### Intern, *WebForest LLP*

07/2023 – 08/2023 | Surat, India

- Implemented responsive frontend components using **React.js**, improving UI performance by ~20% and enhancing user experience
- Integrated backend functionality using **Node.js** and **MongoDB** for data handling
- Contributed to full-stack development, strengthening application responsiveness

### Intern, *Toshal Infotech*

01/2024 – 05/2024 | Surat, India

- Built **RESTful APIs** handling **1000+ records** using **ASP.NET Core** and **SQL Server** for CRUD operations
- Implemented data export features (**Excel, PDF**) improving reporting and usability
- Optimized backend workflows, improving system efficiency

### Trainee, *Differenz System*

07/2024 – 11/2024 | Surat, India

- Trained in **ASP.NET Core** and **MVC architecture** for scalable backend development
- Contributed to **live projects**, gaining real-world software development experience
- Built foundational frontend knowledge using **Angular** for application integration

## 📖 Courses

- **Python Programming** – University of Michigan
- **Python Data Structures** – University of Michigan
- **Introduction to Data Analytics** – IBM (In Progress)

## 🏆 Key Achievements

Built 3+ academic and internship-based projects in data analysis and backend development

## 🧠 Skills

**Languages:** Python, SQL, C, C#

**Frameworks:** ASP.NET Core, React

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit Learn (sklearn)

**Tools:** Excel, Tableau, Jupyter Notebook, Git, MongoDB, SQL Server

**Concepts:** Data Analysis, EDA, Machine Learning, REST APIs, Data Visualization

## 📁 Projects

### Postal Infrastructure Optimization (Capstone Project)

02/2026 – 04/2026

- Analyzed postal dataset (**165,600+ records**) using **Python** and **SQL** to identify inefficiencies
- Performed **data cleaning and preprocessing** to extract actionable insights
- Developed an **AI-based chatbot (rule-based/NLP)** to automate user query handling

### Titanic Dataset – Exploratory Data Analysis (EDA)

12/2025

- Conducted **exploratory data analysis (EDA)** using **Python (Pandas, NumPy, Matplotlib)**
- Cleaned and processed data to analyze trends based on age, class, and gender
- Visualized insights to identify key factors influencing survival outcomes

## 🎓 Education

### Bachelor's Degree in Computer Engineering,

*Sarvajanik college of engineering and technology*

12/2020 – 06/2024 | Surat, India

CGPA: 8.57