

# Divyanshu Mathur

Linkedin

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## EDUCATION

- Vellore Institute of Technology** Vellore, India  
*B-Tech in Computer Science with specialization in Data Science; CGPA: 9.07* 2022 - Present
- Lucky Bal Niketan Senior Secondary School** Jodhpur,Rajasthan, India  
*12th CBSE Board; 92.6%* 2021 - 2022
- Lucky Bal Niketan Senior Secondary School** Jodhpur,Rajasthan, India  
*10th CBSE Board; 90.4%* 2019 - 2020

## SKILLS

- Programming Languages and Concepts::** Python, C++, Java, C, R, JavaScript, HTML, CSS, Data Structures and Algorithms, Object-Oriented Programming (OOP)
- Frameworks and Libraries::** ReactJS, Numpy, Pandas, Matplotlib, Seaborn, Flask, BeautifulSoup
- Data Analysis and Visualization::** Power BI, Tableau, Excel, Web Scraping
- DataBase:** MySQL
- Soft Skills:** Communication Skills, Teamwork, Time Management, Adaptability

## INTERNSHIP

- Web Development Intern** June 2024 - July 2024  
*Aamby Valley City Limited,India*
  - Responsiveness:** Built responsive web interfaces using HTML, CSS, and JavaScript.
  - Performance Optimization:** Reduced page load times by 30% through code optimization.
  - Collaborated with design team to convert 100% of UI/UX wireframes into fully functional web pages.:**

## PERSONAL PROJECTS

### LinkedIn-Clone Link

- Developed a LinkedIn-like platform with real-time like, dislike, and comment functionalities.
- Implemented 100% responsive design, ensuring smooth user experience across all devices.
- Enabled real-time updates for user interactions

### Sales Analysis Dashboard(Power Bi) Link

- Processed and cleaned raw sales data, establishing 5+ data relationships for accurate calculations and visualizations.
- Created custom KPIs to track actionable insights.
- Built an interactive dashboard with slicers, maps, and bar charts, improving analysis efficiency by 40%.

### Coffee Shop Analysis(Excel) Link

- Cleaned and organized 10,000+ rows of sales data, preparing it for analysis with zero data duplication.
- Utilized pivot tables, measures, and slicers to build a dashboard
- Analyzed daily sales trends, identifying peak sales days to guide inventory decisions and boost sales by 15%.

### India Population Analysis Link

- Scraped India's population data from Wikipedia using BeautifulSoup, covering metrics such as migration, fertility, and population growth.
- Structured and cleaned data with Pandas and NumPy, handling 100% missing values and ensuring accurate analysis.
- Created visualizations showcasing key demographic trends like migration and fertility, facilitating a deeper understanding of population dynamics.

### Inventory Management System Link

- A robust Inventory Management System to streamline stock tracking for a small shop/warehouse.
- Designed and implemented an R API to handle CRUD operations, real-time low stock alerts, and purchase order generation, improving stock monitoring efficiency by 30%.
- Leveraged MySQL database to store and manage inventory data, supporting features like minimum stock alerts and transaction history
- Built a responsive Flask-based dashboard with HTML/CSS, enabling shop owners to add, update, delete, and track inventory items seamlessly.
- Created a feature to auto-generate purchase orders, reducing manual intervention and improving restocking turnaround by 25%.
- Optimized backend logic for low stock detection, reducing query response time by 40%, and ensured integration with the R API for accurate stock insights.