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Yashkumar Bilwal

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SUMMARY

Final-year B. Tech (AI) student with strong analytical thinking and hands-on experience in data analysis, visualization, and dashboarding using Python, SQL, and Power BI. Certified by Google and Microsoft in Data Analytics. Also skilled in full-stack web development, enabling end-to-end solutions from backend logic to interactive dashboards. Comfortable working in Agile environments and ready to contribute to collaborative, real-world projects.

EDUCATION

Parul University Vadodara, Gujarat, India
B.Tech. – CSE – Artificial Intelligence – PIET | CGPA: 6.81/10 **July 2022 – 2026**
Jawahar Navodaya Vidyalaya Vadodara, Gujarat, India
12th | CBSE | Percentage: 70.80 / 100 **April 2022**
Jawahar Navodaya Vidyalaya Vadodara, Gujarat, India
10th | CBSE | Percentage: 78.40 / 100 **April 2020**

SKILLS SUMMARY

- **Languages**: Python, SQL, R, HTML, CSS, JavaScript, TypeScript
- **Frameworks**: Pandas, Numpy, Scikit-Learn, Matplotlib, BeautifulSoup / Selenium, React, Flask
- **Tools**: Power BI, Excel, PowerPoint, MySQL, MongoDB, Git / GitHub
- **Methodologies**: Agile, Scrum, Version Control (Git), RESTful APIs
- **Soft Skills**: Rapport Building, Strong Stakeholder management, People Management, Good communication

PROJECTS – *More at:* **yashbilwal.app**

E-Commerce Web Application – Full Stack Online Store | LINK **July 2023- August 2023**
- ○ User & Admin Authentication: Secure login/signup system with JWT-based authentication, role-based access control for users and admins.
- ○ Product Management & Cart System: Users can browse products, add items to the cart, and place orders; admins can manage inventory, categories, and product listings.
- ○ Order Processing & Payment Integration: Integrated a payment gateway (e.g., Razorpay / Stripe) for smooth checkout experience and real-time order status updates.

Stock Sensor – Smart Stock Prediction & Analysis Tool (Final Year Project) | LINK **January 2025- (Active)**
- ○ Stock Report Generation with Trend Prediction: Users can generate a detailed stock report for any stock, including trend prediction using a custom machine learning model along with visual insights like support/resistance levels and financial charts.
- ○ Predicted Stocks Section with Report Access: Displays recommended stocks based on Volatility Contraction Pattern (VCP) and IPO Base setups. Users can click on any stock to view its complete report and predicted performance.
- ○ News & Sentiment Analysis: Shows hot stock-related news with automated sentiment analysis to help users assess market mood and news impact.

Blinkt Sales Dashboard – Business Intelligence Project (Power BI) | LINK **May 2025- June 2025**
- ○ Designed an interactive Power BI dashboard to analyze Blinkit's sales, outlet performance, and product insights.
- ○ Cleaned and transformed raw data using MySQL queries, including data normalization and feature standardization.
- ○ Built visuals such as clustered bar charts, line graphs, KPI cards, and slicers to track key metrics like total sales, average ratings, and item-wise performance, Built dashboard with 12+ KPIs.
- ○ Implemented DAX measures and drill-through functionality to explore trends and detect anomalies.

Sentiment Insights from News Headlines | LINK **May 2025 – May 2025**
- ○ Scraped live financial news from NDTV using **Selenium** and automated headline collection.
- ○ Performed real-time **sentiment analysis** using **TextBlob** to classify news as positive, neutral, or negative.
- ○ Built an interactive **React dashboard** with a **Flask backend** to visualize sentiment trends dynamically.

CERTIFICATES

Google Data Analytics Professional Certificate | CERTIFICATE **Jan 2025 - June 2025**
- ○ Data cleaning, SQL, R, visualization, and statistical analysis using Sheets & Tableau.

Full Stack Web Developer - MEAN Stack | From Simplilearn | CERTIFICATE **Jan 2023 - August 2023**
- ○ Built responsive web apps with MongoDB, Express.js, Angular, Node.js.

Microsoft Certified: Power BI Data Analyst Associate | **Expected: Oct 2025**
- ○ Interactive dashboards, DAX, Power Query for business intelligence reports.

HACKATHONS

AI/ML Hackathon 2.0 | Organizer: myOnsite Healthcare | **June 2025**
Built "DoseSafe AI" – a healthcare assistant web app that scans prescriptions to detect drug interactions, unsafe age-based combinations, and incorrect medicine pairings. Gained experience in real-time data processing, collaborative development, and rapid prototyping.