

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

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

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| E-Commerce Web Application – Full Stack Online Store LINK | July 2023- August 2023 |
| <ul style="list-style-type: none">◦ 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) |
| <ul style="list-style-type: none">◦ 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. | |
| Blinkit Sales Dashboard – Business Intelligence Project (Power BI) LINK | May 2025- June 2025 |
| <ul style="list-style-type: none">◦ 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 |
| <ul style="list-style-type: none">◦ 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

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| Google Data Analytics Professional Certificate | Expected: June 2025 |
| <ul style="list-style-type: none">◦ Gained hands-on skills in data cleaning, SQL, R programming, visualization, and statistical analysis using tools like Sheets and Tableau. | |
| Microsoft Certified: Power BI Data Analyst Associate | Expected: July 2025 |
| <ul style="list-style-type: none">◦ Demonstrated proficiency in building interactive dashboards and business intelligence reports using Power BI, DAX, and Power Query. | |
| Full Stack Web Developer - MEAN Stack From Simplilearn CERTIFICATE | Jan 2023 - August 2023 |
| <ul style="list-style-type: none">◦ Built dynamic, responsive web applications using the MEAN stack (MongoDB, Express.js, Angular, Node.js), covering both frontend and backend development.◦ Gained hands-on experience in RESTful API design, database integration, authentication, and deploying full-stack applications. | |