

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 real-world projects in collaborative, Agile environments.

EDUCATION

Parul University	Vadodara, Gujarat, India
B.Tech. – CSE – Artificial Intelligence – PIET CGPA: 6.63/10	July 2022 – 2026
Jawahar Navodaya Vidyalaya	Vadodara, Gujarat, India
12 th CBSE Percentage: 70.80 / 100	April 2022
Jawahar Navodaya Vidyalaya	Vadodara, Gujarat, India
10 th 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.dev](#)

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 LINK	January 2025- March 2025
<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. ◦ 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

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 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. 	