

PRANSHU PATEL

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Summary

Detail-oriented **Data Analyst** with expertise in **Data Collection, Cleaning, and Analysis**, and a background in **Cloud Computing** and **Software Development**. Skilled in utilizing **Power BI, Tableau, SQL, and Excel (Pivot Tables and Macros)** to analyze and visualize data, ensuring accuracy and providing actionable insights. Experienced in working collaboratively with cross-functional teams in **manufacturing, supply chain, and engineering environments** to support business decision-making. Strong problem-solving, analytical thinking, and process optimization skills, with a focus on automating data collection and reporting.

Education

Northeastern University, Toronto

January 2024 – June 2025

Master of Professional Studies in Informatics (Major: Cloud Computing)

GPA: 3.77/4

Gujarat Technological University

July 2019 – May 2023

Bachelor of Engineering in Computer Science & Engineering

GPA: 7.56/10

Skills

Business Analysis & Data Analytics: Requirement Gathering, Data Collection & Cleaning, Data Analysis & Interpretation, Process Optimization, Reporting, Stakeholder Communication, Actionable Insights

Technical Skills: SQL, Power BI, Tableau, Excel (Pivot Tables and Macros), ERP Systems (SAP, Oracle, Microsoft Dynamics)

Analytics & Reporting: Statistical Analysis, Predictive Analytics

Programming: Python (for Automation & Data Processing), Java, JavaScript

Cloud Technologies: AWS (Lambda, RDS, S3, EC2), Azure

Project Management: Agile, Scrum, JIRA

Work Experience

Techomax Solutions

February 2023 – April 2023

Android Developer Intern

- Analyzed and optimized application workflows, improving efficiency.
- Collaborated with stakeholders to understand project requirements and translate them into technical solutions.
- Developed and tested mobile application features, ensuring seamless user experience.

Webburner India

June 2022 – July 2022

Web Developer Intern

- Conducted business requirement analysis and implemented solutions using front-end technologies like **React.js, Angular**.
- Utilized **SQL** for database management and optimized queries for better performance.
- Developed APIs using **Node.js and Django** to facilitate data communication between front-end and back-end systems.

Projects

Grocery Store Website

Business & Technical Implementation

- Developed full-stack application using **React.js (frontend)** and **Node.js (backend)**.
- Designed a **MySQL-based product categorization system** to optimize search efficiency and improve data accuracy.
- Integrated **Power BI dashboards** for real-time sales insights and reporting.
- Implemented **secure payment gateways (Stripe, Razorpay)** for seamless transactions.
- Deployed on **AWS EC2 and S3**, ensuring performance, scalability, and automated reporting.

SID Clinic

Android

- **Conducted requirement analysis** by collaborating with healthcare professionals to identify key pain points in appointment scheduling and medical resource access.
- **Designed and developed** a user-friendly mobile application using Flutter, enabling seamless appointment booking and efficient clinic management.
- **Integrated Firebase** for secure real-time data storage and synchronization, ensuring data consistency across multiple users.
- **Implemented analytics tracking** to monitor user behavior, providing insights for process improvement and enhancing user engagement.
- **Optimized workflows** to enhance clinic operations, reducing scheduling conflicts and improving overall patient management efficiency.
- **Managed stakeholder communication**, ensuring alignment between technical development and business requirements.

Lotus Learning (E-learning App)

Full-Stack Development & Analytics

- Developed **React Native frontend** and implemented **RESTful APIs** for seamless user experience.
- Integrated **Firebase authentication and real-time database** for user management.
- Created an **interactive dashboard** using **Power BI** for student progress tracking and performance reporting.
- Implemented a **MongoDB-based progress tracking system**, improving learning by 30%.
- Deployed backend using **AWS Lambda (serverless)**, reducing costs and automating data processing.

Amazon Sales Data Analysis

Python & Data Analytics

- Performed **exploratory data analysis (EDA)** on Amazon sales data using Python and **Pandas, NumPy, and Matplotlib**.
- Cleaned and analyzed large datasets to identify trends and patterns in sales performance.
- Generated **insights on customer behavior**, seasonality, and top-performing products, supporting business decision-making.
- Created interactive **Power BI dashboards** for trend analysis and actionable business insights.

YouTube Video & Channel Data Analysis

Python & Data Analytics

- Collected and analyzed **YouTube channel and video data** using the YouTube API.
- Performed **sentiment analysis** on video comments using NLP techniques to understand user feedback.
- Visualized trends in video engagement using **Matplotlib and Seaborn**, generating insights for content optimization.
- Identified key factors influencing video popularity and audience retention, improving content strategy.

Frontend Mentor Challenge: Blogr Landing Page

Frontend Development

- Developed a **responsive landing page** based on a Frontend Mentor challenge, optimizing for cross-device usability.
- Implemented modern UI/UX design principles using **HTML, CSS, and JavaScript**.
- Ensured **cross-browser compatibility** and optimized the layout for performance.

Frontend Mentor Challenge: News Home Page

Frontend Development

- Built a fully responsive **news website homepage** with an engaging UI to enhance user experience.
- Used **CSS Flexbox and Grid** for efficient layout design and responsiveness.
- Implemented interactive features using **JavaScript** to boost user engagement.

Frontend Mentor Challenge: Intro Section with Dropdown Navigation

Frontend Development

- Designed and implemented a **multi-level dropdown navigation system** for better user interaction.
- Ensured smooth and intuitive user experience using **CSS animations and JavaScript**.
- Developed a fully responsive layout optimized for both mobile and desktop users.

Certifications

- **Database Management Systems** – Scaler
- **Data Science with Python** – Scaler
- **Masters in Fundamentals of Python** – Scaler

Achievements & Workshops

- Participated in a **Flutter Workshop** at SVIT Vasad College.
- Earned an **Entrepreneurship Development Certificate** from **CED India**.