Chitta Karthikeya Kashyap

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Professional Summary

Versatile Data Analyst with a passion for shipping end-to-end analytics products that solve pressing business problems. I specialise in turning messy operational data into polished dashboards, predictive tools, and conversational insight assistants—using Python, SQL, Tableau/Power BI, dbt, and modern cloud stacks. My recent projects for retail, marketing, and product teams have cut decision time by up to 70% and lifted forecast accuracy by 20%.

Project Highlights

Collaborative Retail Inventory Forecasting Platform — *React · Flask · WebSockets · Prophet · Power BI Embedded · PostgreSQL · dbt*

Built a multi-tenant web platform enabling store managers to co-create demand forecasts in real time. Used dbt to trigger Prophet forecasts hourly and synced updates across users with WebSockets. Integrated Power BI Embedded for interactive dashboards and enabled secure audit tracking. The platform improved MAPE by 20% and cut stockouts by 15%.

AI-Powered Customer Sentiment & Decision Assistant — *FastAPI · Hugging Face · spaCy · OpenAI API · React Chat UI · PostgreSQL · D3.js*

Created a chat-based dashboard that extracts customer sentiment using transformer models and LDA topic modeling. Users query product feedback in plain English, receiving quantified summaries with D3 visualizations. Helped product teams identify root causes of churn, cutting feedback analysis time by 60%.

Live Marketing Campaign Performance Dashboard & Anomaly Alerts — *Python · Docker · PostgreSQL · dbt · Looker*

Engineered a live analytics pipeline that streams marketing data every 15 minutes. Built dbt models to calculate CTR, CPA, conversion funnels, and detect anomalies using z-scores. Looker dashboards issue auto-alerts when metrics deviate, reducing intervention time from 24h to ¡1h, saving thousands quarterly.

Technical Skills

Programming & Querying: SQL (ANSI, window functions), Python (pandas, numpy, matplotlib), R, Advanced Excel

BI & Visualisation: Tableau, Power BI, Looker / Looker Studio, D3.js, Data Storytelling

Data Warehousing: Snowflake, BigQuery, Redshift, PostgreSQL, MySQL, MongoDB

Analytics Engineering: dbt, ETL/ELT (Fivetran), Star/Snowflake schema design, Data Quality Testing

Statistics & ML: A/B Testing, Hypothesis Testing, Regression, Classification, Forecasting (Prophet), Anomaly Detection

Cloud & DevOps: AWS (S3, EC2, ECS, RDS, Glue), Docker, Kubernetes, GitHub Actions, CI/CD

Frameworks & Tools: Flask, FastAPI, Streamlit, Jupyter, Google Colab, IBM Watson Studio

Technical Experience

Technical Consultant, Edureka — Dec 2023 – Jun 2024

Developed and maintained CI/CD pipelines to automate application deployments. Managed system administration tasks such as configuration changes, monitoring, and issue resolution. Created technical documentation and delivered presentations on Git workflows and DevOps methodologies.

Education

M.S. Computer Science — Wright State University, Dayton, OH
GPA 3.6   2024 - Present

B.Tech. Computer Science (Data Science) — Vellore Institute of Technology, India
GPA 3.25   2020 - 2024

Certifications

IBM Data Science Professional Certificate (View Credential)
IBM AI Analyst Professional Certificate (View Credential)

Relevant Coursework

Statistical Learning & Inference · Database Design & SQL · Data Visualisation & Storytelling
Predictive Analytics · Big Data Engineering