Yuvraj Chauhan

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Technical Skills

Languages/DB: SQL, Python (Pandas, NumPy), R (basic), PostgreSQL, MongoDB
Analytics/BI: Power BI, Tableau, Excel (Pivot Tables, Dashboards, Index-Match), VBA
Cloud/ETL: Azure Data Factory, AWS (basic), Salesforce
Business Analysis: Agile/Waterfall, GAP & SWOT, Jira, Process Mapping
Certifications: Google Data Analytics, IBM Data Science, Stanford ML

Education

- **Seneca College** – Master's in Business Analytics

- **Chandigarh University** – B.E. Computer Science (Hons.)

Experience

Data Analyst — Honda Canada Inc.   Apr 2022–Apr 2025, Alliston, ON

- Built real-time dashboards in SQL and Tableau for 20+ production lines; reduced bottlenecks by 30%

- Automated Azure SQL ETL workflows, cutting manual reporting time by 40%

- Partnered with Engineering teams to detect defects via statistical modeling, reducing downtime by 15%

- Developed CR-V demand forecast model driving weekly supply chain tuning; cut inventory mismatch by 18%

- Designed cross-functional KPI dashboards adopted by plant and business leadership

- Saved $100K annually using Python (Pandas, NumPy) for defect severity analysis

Sales & Operations Analyst — Union Lighting   Mar 2021–Apr 2022, Toronto, ON

- Analyzed Salesforce CRM and trends to sharpen customer targeting; improved conversion by 20%

- Led root cause investigations across Logistics, reducing delivery escalations by 30%

- Delivered seasonal inventory planning insights via Excel dashboards and Power BI reports

- Translated customer feedback into metrics-based process improvement strategies

Business Analyst Intern — A2IT Soft   Nov 2019–Dec 2020, Chandigarh, India

- Identified lead conversion bottlenecks using funnel and cohort analysis

- Used GAP/SWOT techniques to prioritize target segments and improve campaign ROI

- Created process maps with stakeholders and unified marketing-sales reporting metrics

- Supported Agile sprints using Jira; managed dashboard redesign and story tracking

Projects

Revenue Insights in Hospitality Domain

- Analyzed summer data for occupancy, RevPAR trends, and seasonal spikes
- Designed Power BI dashboards with custom DAX (RevPAR, ADR, variance metrics)
- Flagged channel mix anomalies and optimized promo campaigns for margin growth
- Stack: Python, Power BI, DAX, SQL Server, Excel, Git

Sales & Operations Dashboard — Power BI, SQL, DAX

- Automated reporting using advanced Excel (Macros, PowerQuery) and SQL joins
- Reduced manual reporting effort by 90% using dynamic DAX formulas

Customer Churn Prediction — Python, scikit-learn, Power BI

- Built classification model with 85% accuracy to predict churn risk
- Integrated results into dashboards for proactive retention strategies

Uber Customer EDA — Python, SQL, Power BI

- Analyzed ride patterns, geo-traffic zones, and cancellation trends
- Delivered Power BI dashboards for peak-hour ops tuning

App Store Profitability Analysis — Python, SQL, Power BI

- Segmented 7K+ apps by install base, rating, and monetization type
- Found high-profit categories using clustering and exploratory visualizations

Used Car Price Predictor — scikit-learn, Python, Power BI

- Built regression models (Linear, XGBoost) to predict car resale value
- Used RMSE to benchmark results; deployed results into Power BI report

Hand Gesture Scroll Control — OpenCV, MediaPipe, PyAutoGUI

- Developed a touchless scroll controller using hand gesture recognition via webcam
- Mapped fist poses to scroll actions with real-time feedback using MediaPipe and PyAutoGUI
- Designed for accessibility and multitasking; GitHub: Hand Gesture Scroll Control Repo

Alien Invasion Game — Python, Pygame

- Created a 2D arcade-style game with scoring, levels, and enemy swarm logic
- Implemented collision detection, screen refresh, and dynamic difficulty scaling
- Built using Python and Pygame with custom sprite animations

Automated Data Fetcher API — Python, Requests, Pandas

- Built a Python-based REST API client to automate data extraction from multiple sources
- Integrated scheduled fetch routines with error handling and rate limit management
- Enabled seamless integration with downstream dashboards and reporting workflows