PRAJWAL BANG

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SUMMARY

Data-driven Business Analytics graduate student with hands-on experience building ETL pipelines, automating workflows, and creating Power BI dashboards. Skilled in Python, R, SQL, and statistical modeling to deliver insights that optimize operations & inform strategy.

EDUCATION

NORTHEASTERN UNIVERSITY, Boston   Dec 2025
D'Amore-McKim School of Business, *Candidate for Master of Science in Business Analytics*   *GPA: 3.8*

UNIVERSITY OF FLORIDA, Gainesville, FL   May 2024
CSE International Exchange Student, Final Semester Engineering

MANIPAL UNIVERSITY JAIPUR, Jaipur, RJ, India   Jun 2024
Bachelor of Technology, Information Technology, Minor in Data Analytics

PROFESSIONAL EXPERIENCE

Data Analyst Intern   Jan 2025 – Aug 2025
Franklin Pierce University, Remote, NH

- Built and maintained a Master of Physician Assistant Studies (MPAS) market intelligence dataset spanning **50+ universities** applying ETL in Excel to deliver recurring reports on cohort, attrition, graduation, and tuition metrics for market research.
- **Automated event request** processing from MS Forms using **Power Automate** to route requests across 5+ departments with automated email notifications replacing manual triage with rule-based routing per service selections, reducing processing time.
- Developed an interactive **Power BI dashboard** tracking in/out-state tuition, total credits, fill rates, ROI, and enrollment trends, empowering leadership with data-driven insights and **national benchmarking** to guide strategic decisions.
- Applied regression analysis to map student **ROI vs. credits/month** (r=+0.45) and benchmark regional salaries.

SDE Intern   May 2023 – July 2023
Nirmitee.io, Pune, Maharashtra, India

- Migrated a fertilizer manufacturer's warehouse database from Tally to ERPNext, automating billing, invoicing, and stock tracking to **cut order delivery time by 30%**
- Supported workflow testing, requirements gathering & client updates during ERP deployment, ensuring adoption and efficiency.

PROJECTS

Women's Tennis Association (WTA) Analytics Project | Python, SQL, Power BI, Excel, Jupyter, Statistics (**Academic Project**-In Progress)

- Collaborating with the **WTA** to develop innovative **player performance metrics** beyond traditional statistics, creating marketable categories like "power hitter" and "comeback player" for enhanced **fan engagement** and sponsorship opportunities.
- Analyzing **multi-year** season-by-season WTA **match data** to derive composite **statistical measures** that characterize distinctive playing styles and player strengths, developing formalized stat categories with clear formulas for consistent cross-season analysis.
- Designing **player comparison stats** and interactive visualizations to highlight unique strengths for both technical and non-technical audiences, creating dashboards & comprehensive reports that support **media storytelling** & **new revenue** earning opportunities.

Amazon Monthly Sales Data Dashboard | Power BI, Data Visualization (**Personal Project**)

- Developed interactive Power BI dashboard analyzing **$24.9M revenue and $10.5M profit** from 130+ products and 25K+ orders, enabling performance insights by product, category, and geography using publicly available amazon sales dataset.
- Queried 56K+ order records and modeled a star schema with 7+ related tables (Sales, Products, Customers, Returns) to support efficient reporting, cross-filtering, and KPI calculations.
- Created KPI cards, geo-maps, and slicers to highlight **business trends** and support stakeholder decision-making across customer segments and global regions. (GitHub)

AI-Driven Supply Chain Analytics Project | Python, PostgreSQL, Workflow Automation, n8n, Supabase (**Personal Project**)

- Built an automated end to end data pipeline that ingested Gmail CSVs into a PostgreSQL star schema, normalizing dates/currency and reconciling row counts for accuracy.
- Created **supply-chain KPIs (OTIF, On-Time %, Fill Rate)** and automated recurring monthly reports by city and customer to highlight business trends and support decision-making.
- Implemented workflow automation (n8n) and DimDate/exchange-rate tables to ensure data integrity, replication, and accuracy in reporting sensitive data. (Github)

TECHNICAL SKILLS

Python, R, SQL, PostgreSQL, Power BI, Tableau, Excel, Power Automate, n8n, Alteryx, Snowflake, Statistical Analysis, Data Storytelling