

# PRAJWAL BANG

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## SUMMARY

Business Analyst with experience in analytics, workflow automation, and BI across higher education, sports analytics, SaaS, and supply chain. Skilled in Python, SQL, Power BI, and ETL to support decision-making, streamline operations, and build scalable reporting.

## EDUCATION

**Northeastern University**, Boston, MA  
Master of Science in Business Analytics

Sep 2024 – Dec 2025  
GPA: 3.8/4.0

**Study Abroad, University of Florida**, Gainesville, FL  
Computer Science International Exchange Student, Final Semester Engineering

Jan 2024 – May 2024

**Manipal University Jaipur**, Jaipur, RJ, India  
Bachelor of Technology, Information Technology, Minor in Data Analytics

Sep 2020 – Jun 2024  
GPA: 3.55/4.0

## PROFESSIONAL EXPERIENCE

### AI Testing & Analytics Intern

Sep 2025 – Nov 2025

**Zero2One AI**, Remote, Netherlands

- Benchmarked AI agent performance against traditional data analysis tools like Python/R/Excel, and other publicly available LLMs for an e-commerce dataset identifying reliability gaps and decision-quality patterns for CEO-level analyses.
- Produced executive-ready narratives comparing AI and traditional tools, clarifying strengths, weaknesses, and strategic impact for adoption decisions.

### 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 **coordinating requirements across 5+ departments** via rule-based routing driven by responder selections, with auto email alerts replacing manual triage, 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 & salary benchmarking to gauge student ROI, finding a positive link ( $r=0.45$ ) between academic load & return.

### SDE Intern

May 2023 – July 2023

**Nirmitee.io [SaaS Startup]**, Pune, MH, 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, Excel, Statistics, Modelling

(Capstone Project)

- Built WTA secondary metrics such as **Serve Firepower** to boost fan engagement & sponsorship potential, using **75,000+** set-level records (**2016–2024**) & correlation-based modeling to quantify power serving & identify elite power servers.
- Analyzed multi-season match data to create **composite indicators** of playing style & strengths, producing player profiles, key performance differentiators, & **head-to-head** visuals that enhance media storytelling, player evaluation, & sponsorship targeting.
- Developed commercial-ready application mockups including Player **Power Cards**, **H2H** radar profiles, "Marathon Queen" insights, & ranking-trajectory visuals linking analytics outputs to broadcast, sponsorship, & fan-engagement use cases.

### AI-Driven Supply Chain Analytics Project | Python, PostgreSQL, n8n Workflow Automation

(Personal Project)

- Built an automated **Gmail-to-PostgreSQL** ETL pipeline with normalized date/currency handling & row reconciliation for accuracy.
- Automated supply-chain KPIs generation (**OTIF, On-Time %, Fill Rate**) with automated monthly reporting by city and clients to highlight business trends and support decision-making.
- Implemented **n8n** workflow automation, DimDate, and **FX tables** to maintain data integrity across reporting layers. ([Github](#))

## SKILLS & INTERESTS

**Technical:** Python, R, SQL, PostgreSQL, Power BI, Tableau, Excel, Power Automate, n8n, Alteryx, Snowflake, Statistical Analysis, Lucid

**Interests:** Formula 1, Fitness, Sci & Tech, VFX filmmaking, Astronomy