AKSHAT GAUR

+1 (872) 330-1624 | akshatgaur.06@gmail.com | LinkedIn | Chicago, IL | GitHub

Detail-oriented data professional skilled in SQL, Python, ETL pipelines, and data visualization. Experienced in transforming complex datasets into actionable insights, automating reporting processes, and collaborating with stakeholders to drive data-informed decisions. Adaptable, precise, and committed to continuous improvement.

PROFESSIONAL EXPERIENCE

DATA & OPERATIONS ANALYST   **Jul 2024 – Jun 2025**
DePaul University, Chicago, IL

- Analyzed engagement logs from 1K+ career fair attendees using Python & SQL to extract behavioral insights, boosting student participation by 45% through improved event design.
- Automated Handshake account approvals by integrating Excel VBA and enrollment data checks, cutting manual effort by 80% and improving accuracy in student onboarding.
- Developed Tableau dashboards to support cross-functional outreach decisions, improving event execution and student targeting.
- Diagnosed systemic IT issues via support ticket analysis and deployed fixes that reduced response time by 40%.
- Managed a 150+ tech database, generating monthly reports to inform equipment usage and improve resource allocation.

DATA SOFTWARE ENGINEER   **Jul 2022 – May 2023**
Profinch Solutions, Bangalore, INDIA

- Designed and maintained ETL workflows in SQL and backend services to process financial datasets from core banking systems, which improved reporting reliability by 35%.
- Developed and deployed Spring Boot modules that automated key business functions, accelerating client demonstrations and increasing product adoption rates.
- Strengthened compliance by implementing data validation checks and regulatory logic, reducing anomalies in reporting pipelines by 40% and ensuring audit readiness.
- Built internal monitoring dashboards that increased visibility into pipeline performance, allowing the team to resolve issues 25% faster.
- Authored technical documentation and workflow guides on GitHub, cutting onboarding time for new engineers by 30% and improving cross-team collaboration.

PROJECTS

CLUSTERING EXPEDIA CUSTOMERS BASED ON BOOKING BEHAVIOR   **Jan 2025 – Mar 2025**

- Applied K-Means and Agglomerative clustering on 40K+ booking records, identifying 4 traveler personas validated with Silhouette and Davies–Bouldin scores.
- Engineered behavioral features (frequency, lead time, spend), enabling interpretable clusters and actionable marketing insights.

UBER EATS DATA ANALYSIS AND RESTAURANT RECOMMENDATION   **Sep 2024 – Nov 2024**

- Processed 1M+ menu items and 60K restaurants using AWS S3 and Athena, then applied Spark MLlib pipelines with engineered features (location, price, cuisine) to build a scalable restaurant recommendation engine.
- Implemented cosine similarity models achieving 90%+ accuracy in matching restaurants, and visualized dining trends and user preference insights through interactive Tableau dashboards for business stakeholders.

EDUCATION

Master of Science in Data Science   **Jun 2025**

- DePaul University, Chicago, IL (GPA: 4.0/4.0)

Bachelor of Technology in Computer Science   **Jun 2022**

- MS Ramaiah University of Applied Sciences, Bangalore, INDIA (GPA: 3.9/4.0)

TECHNICAL SKILLS

- **Programming & Query Languages:** Python, SQL, R, VBA
- **Data Analysis & Statistics:** Data Cleaning, Hypothesis Testing, Forecasting, Statistical Modeling, A/B Testing
- **Data Engineering & Pipelines:** ETL, Data Validation, Data Transformation, AWS (S3, Athena), Git
- **Visualization & Reporting:** Tableau, Power BI, Excel (Advanced), Dashboard Development, Data Storytelling
- **Libraries & Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, Spark MLlib, TensorFlow