

Devank Uppal

Data Analytics | Business Intelligence | Machine Learning

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EDUCATION

Iowa State University – Bachelor of Science, Computer Science

Expected May 2027

- Minors: Artificial Intelligence, Statistics, Data Science

TECHNICAL SKILLS

- **Languages:** Python, SQL, Java, C++
- **Data & Analytics:** Power BI (DAX), Databricks, Snowflake, Pandas, Scikit-learn
- **Certifications:** Microsoft Azure AI Fundamentals (AI-900) & Meta Data Analyst Professional Certificate

EXPERIENCE

Privacy-Preserving Analytics Research, Research Assistant

Aug 2025 – Present

- Extended Google's RAPPOR to multi-view datasets, engineering a pipeline for million–billion record scale.
- Achieved 90% reconstruction accuracy by tuning privacy parameters across correlated datasets.
- Benchmarked runtime and memory to analyze privacy–utility tradeoffs in large-scale data systems.

Saint Louis Zoo API Automation, Intern

Oct 2023 – Dec 2023

- Built Python ETL pipelines to ingest and process large-scale biodiversity data from the iNaturalist API.
- Implemented data validation and cleaning to ensure accuracy and consistency across datasets.
- Automated manual workflows, reducing data processing time from hours to under 1 minute per run.

PROJECTS

Customer Churn Analytics Dashboard

Mar 2026 – Present

- Processed and cleaned customer data using Databricks to build a modeling-ready dataset.
- Built churn prediction models (Logistic Regression, Random Forest, SVM) to identify at-risk customers.
- Achieved 90% recall on churn cases, enabling earlier intervention and targeted retention strategies.
- Built an interactive Power BI dashboard to track churn trends, customer segments, and retention decisions.

Hospital Management System, Backend Developer

Aug 2025 – Dec 2025

- Built backend services using Java, Spring Boot, and MySQL with REST APIs.
- Designed a secure and scalable architecture supporting scheduling, messaging, and user management.
- Ranked 1st out of 300+ students based on system design, performance, and usability.

LEADERSHIP & ACTIVITIES

VEX U Cyber Robotics Club, Software Lead & Treasurer

Jan 2025 – Present

- Led software development for a 15+ member robotics team.
- Implemented path planning and PID control for robot navigation and stability.
- Managed budgeting and secured funding while leading the team to district-level semifinals.

High Altitude Balloon Experiments in Technology (HABET), Operations

Jan 2025 – Dec 2025

- Built a web-based dashboard to visualize real-time telemetry during live flight missions.
- Integrated telemetry into NASA OpenMCT dashboards to monitor performance and mission metrics.
- Served as mission control, using live data to support real-time decisions across 7 launches.