

JAGWINDER SINGH

jagwinder.singh.utsa@gmail.com | 210-993-4988 | San Antonio, TX

[LinkedIn](#) | [GitHub](#)

EDUCATION AND HONORS

The University of Texas at San Antonio

May 2022

Bachelor of Business Administration in Information Systems & Cyber Security

- Cumulative GPA: 3.90/4.0, UTSA Distinguished Presidential Scholar, Dean's List
- Relevant Coursework: Machine Learning, Data Science Statistics, Big Data Analytics, Probability & Discrete Math

PROFESSIONAL EXPERIENCE

Data Science Intern at Patton Trender, UTSA Najim Center

October 2021 – May 2022

- Collected, processed, and analyzed unstructured survey data from 200+ companies using Python and SQL to quantify and interpret key performance indicators such as client retention rate and customer satisfaction
- Implemented techniques such as Data Cleansing, Exploratory Analysis, KNN to make data actionable
- Communicated with stakeholders to understand Patton Trender's 5 elements of financial fundamentals and translated their feedback into functional reports in Tableau
- Developed keynote script and presentation for executives for insightful and strategic decision-making

Teaching Assistant, Application Development (IS 3073)

August 2021 – December 2021

- Utilized Jupyter to examine the challenges, techniques, and methodologies involved with updating, maintaining, and testing software applications and packages
- Aggregated student baseline exam data and surveys following exams to analyze personal trends
- Developed and implemented exclusive lesson plans and accommodated one-on-one support
- Observed varying degrees of student success and saw a consistent increase in exam scores during the semester

Google Analytics Challenge, Google

February 2020

- Collaborated with a team of four to come up with an application that will help improve college experience
- Constructed a prototype using materials provided to give a visual representation of application
- Presented a two-minute pitch to judges explaining the problem solved by the application

Operations Manager, Valero

August 2017 – Present

- Enabled ModiSoft POS for sales reports & inventory – Conducted itemized sales trends on data in Jupyter
- Managed a team of up to 5 employees within a fast-paced environment while improving efficiency
- Operated POS cash register often containing over \$5000 cash balance with 95% accuracy
- Built long-term customer/vendor relationships & provided trend insight to stakeholders

SKILLS

- Programming Languages: Python, SQL, R, Java, Scala, C, C++, JavaScript, HTML, CSS
- Cloud Technologies: AWS, Snowflake
- Big Data & Machine Learning: Spark, Hadoop, MongoDB, Jupyter Notebooks
- Methodologies: A/B testing, ETL, Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Time series, Experimental design, Hypothesis testing, OOP, OOD, APIs, Excel, Git
- Operating systems: Windows XP, Linux, Mac OS X.
- Experienced with both agile and waterfall methodologies
- Fluent in Punjabi, Hindi, and Urdu

EXTRACURRICULAR

Co-Founder, Pure Elegance DJs

January 2019 – Present

- Performed nationally as a DJ with a 10/10 rating from 95% of customers on 50+ events
- Automated inquiry process (proposals, invoices, contracts, payments, and scheduling) by using HoneyBook
- Coordinated with wedding planners and other vendors to bring the best service to clients

Captain, Alamo City Bhangra

January 2018 – Present

- Led the largest dance team in Texas (12+ people) to bring home 5 trophies out of 5 competitions across the U.S.
- Trained and recruited dancers then created routines, formations, and choreography
- Nationally ranked team bringing home 5 trophies out of 5 competitions along with individual awards