

# JAGWINDER SINGH

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## EDUCATION AND HONORS

The University of Texas at San Antonio

May 2022

Bachelor of Business Administration in Information Systems & Cyber Security

- Cumulative GPA: 3.95/4.0, 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, UTSA Najim Center**

October 2021 – Present

- Collected, processed, and analyzed unstructured data using Python and SQL to quantify and interpret all financial specific audience demographic data to draft profiles and survey 200+ companies
- Implemented advanced and innovative analytical techniques, algorithms, and tools to make data actionable and relevant to stakeholders through exploratory analysis of internal and external data sources
- Developed keynote script and presentation for Patton Trender for insightful and strategic decision-making

**Teaching Assistant, Application Development (IS 3073)**

August 2021 – December 2021

- Utilized Jupyter Notebooks to examine the challenges, techniques, and methodologies involved with updating, maintaining, and testing software applications and packages
- Developed and implemented personal lesson plans and accommodated one-on-one support
- Conducted student user surveys following exams to measure success and further enhance productivity
- 100% of students who attended sessions saw a consistent increase in exam scores throughout the semester

**Google Analytics Challenge, Google**

February 2020 – 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

- Facilitated sales reports, inventories, and assisted in building long-term customer/vendor relationships
- 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

## PROJECTS AND LEADERSHIP

**Co-Founder, Pure Elegance DJs**

January 2019 – Present

- Performed nationally as a DJ at various locations including clubs, outdoor music festivals, and private events
- Coordinated with wedding planners and other vendors to bring the best service to clients
- Produce seamless, impeccable mixes that engage and stimulate even the most demanding of audiences
- Received a 10/10 service ratings from 95% of customers on 50+ events

**Captain, Alamo City Bhangra**

January 2018 – Present

- Led the largest dance team in Texas (12+ people) to multiple competitions across the United States
- 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

## SKILLS

- Programming Languages: Python, SQL, R, Java, Scala, C, C++, JavaScript, HTML, CSS
- Big Data & Machine Learning: Spark, Hadoop, MongoDB, Python (e.g., scikit-learn, NumPy, Pandas, Matplotlib)
- Data Science & Misc. Technologies: 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