

OSHIN JAIN

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EXPERIENCE

- McCoy Corporation, Texas, USA** | Data Science Intern January 2025 – Present
- **Independently designed** a Python-based search optimization algorithm that **improved search accuracy by 89%**, effectively handling misspelled queries—enhancing user experience and contributing to increased conversion rates.
 - Engineered a scalable, end-to-end solution using advanced **data mining** and **machine learning** libraries (e.g. pandas, NLTK, ReGex), and seamlessly integrated it into the live website via API.
- Texas State University, San Marcos** | Graduate Instructional Assistant January 2024 - Present
- Led sessions on **healthcare data analytics using Tableau**, emphasizing data governance, interoperability, HIPAA regulations, thus promoting data-driven decision-making.
 - Mentored students in **JavaScript**, resolving coding challenges and increasing **project turnaround by 10%**.
 - Produced 20 YuJa instructional videos to boost student proficiency in **MS-Excel and MS-Access**.
- Quest Global Technologies Limited, India** | Data Analyst Intern January 2021 - April 2021
- Conducted exploratory data analysis (EDA) on an **80,000-record healthcare dataset**, optimizing patient processing and **reducing time by 8%**.
 - Maintained **software dashboard** by integrating real-time data analytics, **reducing software failures by 13%**.
- CS Oshin Jain & Associates, India** | Practicing Company Secretary October 2018 - December 2020
- Delivered **financial and regulatory consulting** to private and listed companies, specializing in capital structuring, compliance strategy, and corporate governance.
 - Conducted in-depth financial statement analysis and forecasting to **evaluate performance trends**, identify risk, and support executive-level strategic decisions.
 - Led financial due diligence and audits, uncovering inefficiencies that **increased non-operating income by 10%**.
 - **Ensured 100% compliance** across client portfolios, minimizing financial exposure and building investor and board confidence.

EDUCATION

- Texas State University, USA** | Master of Science in Data Analytics and Information Systems. August 2023 – May 2025
(Focus: Machine Learning, Optimization, Forecasting, Econometrics, Data Warehousing, Python) **GPA: 3.9**
- Institute of Company Secretaries of India, India** | Company Secretary (CS) March 2012 – December 2016
(Focus: Corporate Legal and Finance) **GPA: 4**

SKILLS

- Programming Language:** Python, SQL
- Database:** Relational Database Design, Dimensional Modelling, Star Schema, ETL, Data Warehousing, SAP BW on HANA, AWS
- Data Science:** Machine Learning, Deep Learning, NLP, Data Mining, PySpark, Scikit-learn, Flask, Regex, NLTK, FuzzyMatching
- Forecasting & Analytics:** Statistical Analysis, Financial Analysis, Time-Series Analysis, Optimization Techniques, Stochastic optimization, Excel Solvers, Business Intelligence, Restful API, A/B Testing, Flask
- Tools:** Tableau, Git, Simio, SAP Cloud Analytics, Conda, Prompt Engineering, Jupyter Notebook, Google Colab, MS-Excel
- Soft Skills:** Communication, Flexible, Innovative, Team-worker, Leader, Analytical, Organized, Attention to Detail

PROJECTS

- Heart Disease Detection:** Authored a term paper on heart disease prediction using techniques like Logistic Regression, Naïve Bayes, Random Forest, SVM, Neural Networks etc., achieving 85% accuracy and 90% Sensitivity with best model.
- Cereal Rating:** Built a regression model using Linear Regression, KNN, and Decision Tree, incorporating data normalization and pruning techniques to improve accuracy.
- Airbnb Analysis:** Performed predictive modeling on host duration and seasonal trends, visualizing findings using histograms, box plots, and scatter plots.
- Business Intelligence:** Deployed BI techniques to test Null Hypothesis - impact of on-campus bank on student's banking decision. Surveyed 200 students, analyzed the responses in Python and presented findings about 68% student influence from banks presence to the on-campus bank for help with strategic decision making.

LEADERSHIP & PARTICIPATION

- Organized inter university festivals with 15 university participants and performed as the lead Anchor at the show.
- Won Women's Volleyball championship against 6 teams and intercollege Debate and Extempore Competitions.