

Rounok Joardar

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www.rounok.com

EDUCATION

The University of Texas at Dallas

M.S., Financial Technology and Analytics

December 2020

GPA – 3.74

The University of Texas at Austin

B.S., Electrical Engineering

December 2016

TECHNICAL SKILLS

Programming Languages: SQL, R, Python, SciPy stack, LGBM, TensorFlow, Matplotlib
Operating Systems / Software: Linux/Unix, MS Windows, MS Power BI, MS Excel, MS Access
Databases: MS SQL, Oracle, MySQL, Snowflake

BUSINESS & ACADEMIC EXPERIENCE

7-Eleven, Inc., Irving, Texas (*Asset Protection Specialist*)

February 2021 - July 2022

- Developed a new risk reporting process by gathering and joining 3 audit datasets and the location hierarchy data table. Used probability distributions to identify patterns and determine risk scenarios for 14 thousand stores
- Selected as Project Manager to upgrade an enterprise analytics software. Worked with internal and third party teams on SOW, UAT testing, and deployment of the upgraded system to the production environment
- Generated risk data to meet needs of legal and investigation teams. Tested the data for accuracy and completeness such that it would withstand legal scrutiny. Completed tasks rapidly to avoid costly delays in legal proceedings
- Maintained and improved 7 existing reports to reflect internal changes during a company acquisition and realignment
- Provided administrative support for the asset protection SQL database, a transactional analytics system and a case management system. Communicated with internal and external teams and to maintain a correct data flow

University of Texas at Dallas, Richardson, Texas (*Graduate Student, MS*)

August 2018 – December 2020

- Developed a generalized data visualization and analysis software using Python libraries. Converted to a web application with dynamic plotting capability using Flask (available at rounok.com/omniWeb). Software adopted by Texas Instruments for internal use in circuit simulation and device modeling
- Built Probability of Default (PD) classification models from very large scale real-world credit risk data
- Led a top-down design and development project for UTDSOM Investment Corporation. Applied predictive modeling to generate smart investment decisions. Responsible for technical algorithms and software architecture
- Used creative feature engineering to increase accuracy of a LGBM based regression model for predicting energy consumption in commercial buildings based on a massive database with over 20 million inputs

WIPRO LTD, Plano, Texas (*Data Engineer*)

February 2017 - August 2018

- Migrated 200+ Capital One financial datasets to a cloud database as part of a data migration project
- Coordinated with 5+ source users to set baseline standards for sensitive NPI/PCI banking data
- Provided production support on a subset of 30+ datasets as the subject matter expert on those files
- Designed a pipeline framework to migrate files from the source vendors to Amazon Web Services S3 Database

ST. JUDE MEDICAL, Plano, Texas (*Hardware Engineer*)

January 2016 - June 2016

- Developed diagnostic measurements for neuromodulation devices, collected test data, evaluated results, and generated engineering reports in order to improve the speed of testing by over 50%
- Confirmed operation of multiple batches of devices, enabling senior engineers to pursue more critical projects
- Tested FDA certifiable implantable medical devices and maintained requisite documentation chain

ACADEMIC PROJECTS & LEADERSHIP EXPERIENCE

- Business Communications Graduate Assistant, Fall 2019
- Internet of Things Applied Smart Home Control System, Winter 2017
- Digital Signal Processing Binaural Audio System, Fall 2016

Eligibility: (US Citizen) Eligible to work in the U.S. with no restrictions