

AAKASH DHRUVA

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EDUCATION

The University of Texas at Austin

May 2024

Master of Science, Business Analytics

Coursework includes: Advanced Machine Learning, Data Science Programming, Optimization, Unsupervised Learning, Analytics for Unstructured Data, Text Analytics

Mumbai University

August 2020

Bachelor of Science, Chemical Engineering

TECHNICAL SKILLS

- Technologies : Python (PANDAS, PyTorch, TensorFlow, Keras, Scikit-learn), R, C++, MS Office, SQL
- Software & Tools : Jupyter Notebook, RStudio, MySQL, COCO simulator, Scilab, AutoCAD

EXPERIENCE

Hart Intercivic – Quality Assurance Tester, Austin, Texas

March 2023 - July 2023

- Developed and executed 200+ comprehensive test cases and procedures for a critical election software project, ensuring robust functionality, optimal performance, and top-notch security measures were in place
- Utilised the Quality Center to trace and log 300+ bugs, streamlining efficient communication and fostering a collaborative environment for swift resolution with the development team

J.B. Khokhani & Co – Supply Chain Analyst, Mumbai, India

January 2022 - September 2022

- Refined manufacturing processes by applying continuous improvement and lean manufacturing principles and boosted overall productivity by 15%
- Provided elaborate data-driven reports to the production team, enabling them to align production schedules with market demands, reducing inventory holding costs by 20%

Syschem India – Business Analyst, Chandigarh, India

January 2021 - December 2021

- Examined and reported production data, resulting in a 10% reduction in production waste and bolstering a significant 5% increase in overall production efficiency
- Conducted root cause analysis of production delays, identifying and implementing process improvements to raise production output by 2 tons/day

Mepro Pharmaceuticals – Intern, Gujarat, India

June 2020 - December 2020

- Performed in-depth studies of process variables, parameters, and flow, ensuring adherence to standard norms and facilitating continuous process improvement
- Analyzed process optimisation by conducting a comprehensive analysis of Nevirapine (an Anti-AIDS drug) manufacturing procedures

ACADEMIC PROJECTS

Driver Drowsiness Detection

July 2023 - August 2023

- Engineered a deep learning solution for detecting driver drowsiness leveraging Convolutional Neural Networks and advanced transfer learning models such as VGG16, VGG19, InceptionV3 and InceptionResNet

Predictive Analysis of Cardiovascular Disease Risk Using Machine Learning

July 2023 - August 2023

- Developed a classification model to predict the risk of CVD utilizing a dataset sourced from BRFSS

ADDITIONAL INFORMATION

Volunteer Work: Graphic Design Lead at Shrimad Rajchandra Love and Care and Raj Uphaar

Work Eligibility: Eligible to work in the United States with no restrictions