

Nikhil Mantravadi

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Skills and Credentials

Programming: Python, SQL

Mathematics: Multivariable Calculus Differential Equations, Probability and Statistics.

Certifications: Bloomberg Market Concepts, Basics of Data Science (Coursera)

Education

Boston University, Questrom School of Business

Boston, MA

M.S. Mathematical Finance & Financial Technology

January 2022

- Coursework: Statistics, Programming (R, Python, C++), Stochastic Methods of Asset Pricing

S.R.M. Institute of Science and Technology

Chennai, India

B.Tech. Mechanical Engineering [GPA 3.8/4.0]

May 2019

- Relevant Coursework: Differential Equations, Linear and Integer Programming, Multivariable Calculus, Probability & Statistics, Ordinary Differential Equations, Linear Algebra

Experience

Cognizant Technology Solutions

Hyderabad, India

Process Executive

November 2019 - August 2020

- Analyzed over 3000 denied medical insurance claims, and resolved billing errors and discrepancies, and helped generate over \$500k in revenue
- Coordinated with billing and cash management teams to ensure disputed invoices were corrected and payments applied correctly

Projects

SRM Institute of Science and Technology

Chennai, India

Optimization of Tool Path Strategy in Slot Milling

January 2019 - May 2019

- Researched and determined optimal tool path strategy used for slot milling of AISI D3 steel increasing quality of produced product by 25 percent while reducing cost for manufacturing by 15 percent
- Utilized Artificial Neural Network software and grey relational analysis to study results from 27 experiments conducted

SRM Institute of Science and Technology

Chennai, India

Miniature Pinball Game

April 2018 - April 2018

- Created miniature pinball game by utilizing four pneumatic valves and pump to generate air to move flippers

Additional Information

Positions of Responsibility: Served as committee member of Mechanical Engineering Association and organized several cultural and technical events

Languages: English, Hindi, Telugu

Sports: Cricket, Chess