



Amol Singbal

 amolsingbal1995@gmail.com  <https://amol195.github.io/>  20 Front ST, CT 06103  4042007447

EDUCATION

M.S. ELECTRICAL & COMPUTER ENGINEERING

Georgia Tech, Atlanta, GA / May 2019

B.Tech. ELECTRONICS & TELECOMMUNICATIONS

V.J.T.I, Mumbai, India / May 2017

SKILLS & CERTIFICATIONS

- **Languages:** Spark, Python, R, SQL, TensorFlow, MATLAB
- **Libraries/Frameworks:** Tableau, Pandas, NLTK, Scikit-Learn, Matplotlib, Numpy
- **Certifications:** Deep Learning Specialization, TensorFlow Developer Certificate, Practical Time Series Analysis, Basic Statistics
- **Publications:** <https://ieeexplore.ieee.org/document/8959013>

EXPERIENCE

Stanley Black & Decker, New Britain, CT

Data Scientist - II | Aug 2021 - Current

Data Scientist - I | July 2019 - July 2021

- Developed a framework, impacting a portfolio of \$600M, to align customer & company valuation of products
- Mentored 50+ interns to deliver AI based forecasting models for various products/geographies
- Optimized \$400M marketing budget to maximize ROI spanning multiple sales channels through Media Mix Models (MMM) across major tool brands like DeWalt, Craftsman etc
- Developed 70% accurate forecasts for users covering 16 regions and 500+ medications to promote adherence to prescribed medication, through PRIA
- Improved accuracy of sales forecasts from 50% to 80%, during COVID-19 using time series forecasting models like ARIMAX, RNN etc
- Designed & deployed Tableau dashboards to flag non-compliant transactions across various HR pillars, saving around \$5M annually
- Contributed to development of a R Tool designed to find commodity savings/risks, resulting in \$50M-\$100M savings annually on a \$10B spend

Amazon, Bangalore, India

Applied Scientist Intern | August - December 2018

- Saved Amazon over \$5M in shipping through accurate predictions of product dimensions

Panasonic Automotive, Atlanta, GA

Deep Learning Intern | May - August 2018

- Improved Panasonic's occupancy detection by 95% by developing an object detection system