

Amol Singbal

<https://amol195.github.io/>

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EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Masters in Electrical and Computer Engineering; GPA: 3.50 Spring 2019
- **Veermata Jijabai Technological Institute** Mumbai, India
Bachelors of Technology in Electronics & Telecommunications Summer 2017

EXPERIENCE

- **Stanley Black and Decker, Data & Analytics Team** New Britain, CT
Data Scientist July 2019 - Current
 - Delivered insights across multiple businesses such as Finance, Industrial etc.
 - Creating a framework to understand product placements and optimize pricing based on market share and user feedback, spanning a \$600M product portfolio
 - Implemented Market Mix Models (MMM) to optimize \$75M marketing spend across various online/offline channels & present recommendations to structure future budgets
 - Generated forecasts per user/cohort to predict new device usage for around 100 users and provide recommendations to increase revenue
⇒ <https://www.okpria.com/medication-adherence-case-study-pria>
 - Deployed dashboards aimed at providing insights, covering \$5M in total
 - Contributed to development of a R Shiny Tool to assist category managers in finding opportunities/risks, generating value of \$50M-\$100M annually on ~\$10B spend
 - Coordinated with the ingestion teams to decide on robust validation logic to ensure 100% data completeness
- **Amazon, India Machine Learning (IML) Team** Bengaluru, India
Applied Scientist Intern Aug - Dec 2018
 - Built a model to provide weight recommendations, saving millions in shipping charges
 - Achieved a test set variance of about 200 grams on Amazon's 1000 bestselling products.
- **Panasonic Automotive, Advanced Engineering Group** Atlanta, GA
Deep Learning Software Intern May - Aug 2018
 - Engineered a real time driver monitoring system to prevent accidents
 - Achieved a 74% and 95% accuracy in cell phone and occupancy detection using IR Images

SKILLS

- **Languages/Frameworks:** Spark, Python, R, SQL, TensorFlow, Tableau, Data Robot
- **Certifications:** Deep Learning Specialization, TensorFlow Developer Certificate, Practical Time Series Analysis, Basic Statistics

COURSE PROJECTS & PUBLICATIONS

- Semantic Segmentation of Nuclei Mar - May 2018
- Emotion Recognition using Speech Feb - Apr 2018
- Reconstructing Images using Dictionary Learning Oct - Dec 2017
 - <https://ieeexplore.ieee.org/document/8959013>