Amol Singbal

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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