Sharad Varadarajan

2850 Katherine Paige Lane (Apt 108) • Falls Church, VA 22042 • (908) 907-3133

sharadv99@gmail.com • https://www.linkedin.com/in/sharadv/ • https://github.com/sharadv99

PROFILE

An experienced technology consultant with a recent master's degree in data science interested in using predictive analytics and machine learning to support better decision-making

PROFESSIONAL SKILLS

- Python, R, MySQL
- Machine Learning
- Natural Language Processing
- scikit-learn, NumPy, Pandas, Matplotlib
- Big Data (PySpark)
- Django (Web-App Development)

- Statistical Analysis (Predictive and Causal Modeling)
- Deep Learning
- Jupyter Notebook, Markdown, LaTeX formatting
- Git/GitHub
- Salesforce Development, Agile Software Development
- Heroku

CERTIFICATIONS

• Salesforce Certified Platform App Builder	Dec 2017	• Salesforce Certified Administrator	May 2015
• ICAgile Certified Professional (ICP)	Mar 2017	• Six Sigma Greenbelt Certification	May 2014

EDUCATION

UNIVERSITY OF CALIFORNIA, **BERKELEY,** School of Information, Berkeley, CA　　　　　　　　　　　　　　August 2019
Master of Information and Data Science (MIDS) | **GPA: 4.0**
Relevant Courses: Machine Learning at Scale, Natural Language Processing, Experiments and Causality, Data Engineering, Applied Statistics

UNIVERSITY OF MARYLAND, A. James Clark School of Engineering, College Park, MD　　　　　　　　　　　May 2014
Bachelor of Science in Mechanical Engineering | **GPA: 3.45**
Relevant Courses: Product Design, Calculus, Statistics, Linear Algebra, Differential Equations

PROJECTS

Opioid Misuse Risk Tool | Applied Machine Learning with Python/ Django Web Development　　　　　　August 2019
- Developed and productized an interpretable machine learning model that helps doctors determine patients' individual risk of misusing opioids

Multi-Label Genre Classification | Natural Language Processing with Keras/TensorFlow　　　　　　　　　April 2019
- Designed custom sampling methods and an ensemble of innovative attention neural networks to predict genre(s) from movie plot summaries on skewed data

Click-Through Rate Prediction | Big Data Machine Learning with PySpark　　　　　　　　　　　　December 2018
- Created and parallelized a custom logistic regression model on a GCP cluster to predict click-through rate on advertising data

Foreign Language Advertising for Wine | Causal Modeling with R　　　　　　　　　　　　　　　　　August 2018
- Conducted a field experiment to discern effect of foreign language advertising in wine retail on customer price perception and purchase likelihood

WORK EXPERIENCE

ACCENTURE FEDERAL SERVICES, Arlington, VA　　　　　　　　　　　　　　　　　　　　　　　Oct 2014 – present
Technology/Analytics Consultant
- Integral developer and data model architect for digital transformation projects collectively worth $200M+
- Design and implement complex data-driven solutions to replace, enhance and centralize outdated and/or inefficient systems
- Technical and functional contributor to the digital transformation of 100+ work products
- Regularly design client-specific reports and dashboards to capture/visualize key performance indicators
- Develop and optimize technical workflows regularly to automate crucial business processes/reduce human error
- Collaborate with/across different technical teams to ensure data accuracy and synchronization throughout end-to-end processes
- Mentor newer resources on project-specific design and functionality to improve overall productivity