Srik (Srikanth) Gorthy

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SUMMARY

10+ years experience in Machine Learning (ML) and Data Science (DS), building end-to-end solutions. Worked in various verticals such as Music, Banking, Credit Risk, Semiconductors, FMCG, and Internet Technologies.

<u>Areas of Expertise</u>: Natural Language Processing, Statistical Analysis, Deep Learning(DL), Knowledge Graphs

<u>Skills/Tools</u>:
- ML, DL & DS: Python, PyTorch, TensorFlow, sci-kit-learn, keras, R, NLTK, Pandas, Numpy, SQL
- Web Development: HTML5, CSS, JavaScript, Django, RShiny, Plumber
- Other: Git, Docker, KNIME, AWS [EC2, S3, ECS, Redshift/RDS]

EXPERIENCE

Chartboost, Data Scientist   *Jan '23 - Jun '23*
Worked on automating and improving Ad-Bidding using DS/ML
- Proposed and implemented lifecycle rules for promotions(advertisers) being onboarded **reducing onboarding time by 50%** using online/offline tests and hypothesis tests.
- Productionized a feature to generate/replace/modify publishers(ad spaces) using k-Nearest Neighbors **increasing installs/ad impressions by 10%** and **eliminating manual intervention**.

JP Morgan Chase, AI/DS Summer Associate   *Jun '22 - Aug '22*
Worked on automatically replicating the calculation of risk KPIs using ML methods
- Built a method for loss-change-explain process for a multi-trillion-dollar portfolio.
- Replicated multiple calculations with >99% confidence using regression, Random Forests and GBM model.

AMD(Advanced Micro Devices), MTS, ML/AI Engineer   *Jan '20 - Aug '21*
Drove innovation in the driver integration validation team, creating automation leveraging ML/AI models
- Engineered a multi-model system into production, standardizing driver test plan generation, failure classification & root-cause identification using RNNs and Word2Vec, **saving 9+ FTE** resources in ~1.5 years.
- Built a model with Random Forests to identify bug severity, **reducing manual evaluations by 30%**.

TVAlly*, CEO/Co-Founder   *Jul '17 - Dec '19*
Founded an online music streaming platform for independent music in India with 2000+ users
- Developed a content-based recommender system; scraped 10,000+ songs/tracks; automated track elements annotations; crafted 100+ playlists, **reducing search time by 75%** and **increasing activity rate by 50%**.
- Created and led an ML/DS team to estimate ideal web page journeys and estimate customer life lengths.

Google, Analyst, Google Search   *Aug '15 - Jul '17*
Led efforts to reduce spam and abuse in the Trust and Safety team, building scalable solutions
- Built an in-house ML team to yield scalable solutions; Managed and **delivered 5 projects in 2 quarters**.
- Produced an ensemble model leveraging Linear Discriminant Analysis and Gradient Boosting Machines to identify gibberish content on an HTML page, **reducing the spam rate by 35%** in a quarter.

LatentView Analytics, Senior Analyst(*Oct '14 - Jul '15*) & Analyst (*Dec '12 - Jul '15*)   *Dec '12 - Jul '15*
Produced predictive model solutions for various industries and traveled onsite to present the work
- Trained 2500 models for various segments of a 2 billion rows dataset with 2500 dimensions to detect credit card fraud for a global credit card company, **reducing fraud by 40%**.
- Modeled a credit scoring system for a Middle Eastern Country's Credit Bureau with an **AUC of 0.75**.
- Prepared brand perception charts scraping Twitter data for an FMCG brand to identify potential market gaps.

EDUCATION

Northwestern University (Master of Science in Artificial Intelligence) | Evanston, IL   *Sep '21- Dec '22*
BITS, Pilani (Bachelor of Engineering in Chemical) | Hyderabad, India   *Jan '09- Dec '12*

ADDITIONAL INFORMATION

- Published *Automated Intelligent Test Planning using DL Techniques* in internal AMD Conference   *Nov '21*
- Gave talks on NLP and Introductory AI at Universities and Online Platforms   *Nov '20 - Apr '21*
- Was awarded Spot bonus and 7 Peer Bonus awards for Excellence of Delivery at Google   *Aug '15 - Jul'17*