Srikanth (Srik) Gorthy

(773) 807 9898 | Srik.Gorthy@u.northwestern.edu | 1309 Maple Ave 2W Evanston IL 60201
github.com/srikg | srikg.github.io | srikgorthy.medium.com

SUMMARY

Multifaceted professional with 8.5+ years experience in Data Sciences, Machine Learning and Artificial Intelligence. Additionally, I have 5.5+ years experience in leadership roles such as entrepreneur, solutions architect and team builder.

EDUCATION

Northwestern University, IL, USA   [Graduating Dec 2022*]
Master of Science in Artificial Intelligence [Current GPA: 4.0]

Indian Institute of Management, Bangalore, India   [Jul 2017 - Jun 2018]
Part-time Certificate, Business Analytics and Intelligence

BITS-Pilani, India   [Jan 2009 - Dec 2012]
Bachelor of Engineering(Honours), Chemical

EXPERTISE

Skills   Machine Learning, Deep Learning, Data Sciences, Natural Language Processing, Algorithms and Optimization, Recommender Systems, Human Computer Interaction, Knowledge Representation and Reasoning, Computer Vision

Tools   <u>Machine Learning</u>: Python, pytorch, tensorflow, scikit-learn, keras
<u>Data Science</u>: R, RStudio, NLTK, SQL, Pandas, Numpy, Matplotlib, D3.js
<u>Databases</u>: SQL [MySQL, SQL Server, PostgreSQL], AWS [Redshift, RDS]
<u>Web Development</u>: HTML5, CSS, JavaScript, Django, RShiny, Plumber
<u>Other</u>: AWS [EC2, S3, ECS], Google Colab, KNIME, HTML/CSS, JavaScript, Git, Docker

PUBLICATIONS

- Co-Authored a paper titled "Attention To Detail Is What You Might Need" in December '22
- Co-Authored a paper titled "Automated Intelligent Test Planning using Deep Learning Techniques" for the Global AMD Technical Authors Conference in November '21
- Co-Authored a paper titled "Machine Learning-Based Failure Analysis for Verification and Validation" in the Global AMD Technical Authors Conference in November '20

EXPERIENCE

JP Morgan Chase, Plano, TX   [Jun 2022 - Aug 2022]
AI & Data Science Intern
Automated the calculation of various calculation for a 3 Trillion Commerical Porrfolio
- Built an automated method for loss change explain process for a multi-trillion dollar portfolio
- Replicated multiple calculations with >99% confidence using explainable ML Models

Advanced Micro Devices(AMD), Hyderabad, India   [Jan 2020 - Aug 2021]
MTS, ML/AI Software Engineer
Drove innovation in driver integration validation team, creating automation using ML/AI models
- Developed an MLP Neural Network model to yield test plans for given driver code changes automating and standardizing existing complex processes saving 1+ hours/day
- Produced multiple Neural Network models tailored to specific areas to identify root cause of a given driver failure saving 5+ FTE resources in a quarter
- Created an ensemble of 1-hidden layered model and Naïve Bayes model to identify bug

severity diminishing manual evaluations by 30% in a quarter

TVAlly, Hyderabad, India   [Jul 2017 - Dec 2019]
CEO and Co-founder
Conceptualized and founded an online music streaming platform for independent music in India with 2000+ users
- Developed a content-based recommender system from scratch; scraped 10000+ songs/tracks; automated track elements annotations; crafted 100+ playlists, decreased search time by 75% and increasing activity rate by 50%
- Produced multiple dashboards for executive meetings showcasing various KPIs reducing time spent on generating ad hoc reports by 90%
- Build and led data science team of four helping build models estimating ideal web page journeys, estimating customer life lengths and aiding marketing efforts

Google, Hyderabad, India   [Aug 2015 - Jul 2017]
Analyst - Trust and Safety, Google Search
Led efforts to reduce spam and abuse in the Trust and Safety team building scalable solutions
- Identified opportunity and created an in-house ML team from scratch 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 on HTML page decreasing spam by 35% in a quarter
- Trained 150+ employees across locations on ML techniques to increase ML adoption

LatentView Analytics, Chennai, India   [Dec 2012 - Jul 2015]
Senior Analyst   [Oct 2014 - Jul 2015]
Created solutions for client projects in roles assuming responsibility
- Identified causal factors to enhance an album's ranking on the Billboard Charts utilizing PCA for a multinational music conglomerate leading a team of 2
- Crafted strategy to convert prepaid to postpaid accounts using clustering techniques for an Indonesian telephone services provider working onsite improving monthly conversions from 3.5% to 15% in 2 quarters

Analyst   [Dec 2012 - Sep 2014]
Worked on building predictive model solutions for various domains
- Trained 2500 models for various segments of 2 billion rows dataset with 2500 dimensions to detect credit card frauds for a global credit card company aiding fraud prevention by 40%
- Modeled a credit scoring system for a Middle Eastern County's Credit Bureau with an AUC of 0.75. Presented it onsite to clients and provided UAT
- Prepared brand perceptual charts by scraping Twitter data through Correspondence Analysis for a multinational beverage brand to identify potential market gaps
- Prepared material and onboarded 200+ new employees on ML

TALKS AND SESSiONS
- "*Natural Language Processing*" at Geekle's Python for ML and AI Summit 2021 in April '21
- "*A perspective on Artificial Intelligence*" at University of Madras, Chennai in January '21
- "*Natural Language Processing*" at JNTU, Hyderabad in November '20

AWARDS AND RECOGNITIONS
- Was awarded "Spot bonus" and 7 "Peer Bonus" awards for excellence of delivery and collaborative work at Google between 2015 and 2017
- Was awarded "Encore Award" for diligence and on-time delivery at LatentView in 2014