Srikanth D

❖ sri.dbp@gmail.com ❖ LinkedIn ❖ +91 99623-19471 ❖ Bengaluru, India

WORK EXPERIENCE

Walmart Labs   **Apr. 2022 – Present**
Senior Software Engineer   *Bangalore, India*
- Responsible for metrics and driving business outcomes for Walmart Search., Within that context, I pioneered the design and development of various platforms for increasing experimentation velocity and throughput.
- Launched several queue-based platforms for users to design, deploy, and monitor their model's metrics via interleaving experiments and nDCG evaluations, resulting in a reduction in turnaround time from **7 to 3 days**, a drop in error rate from **10% to 3%** for nDCG evals, and more than doubling the interleaving experiments by up to **60 per week**.
- Developed a competitive benchmarking system automating the process for accessing Walmart search performance and attributing it to new monthly features, lowering report generation time from **45 to 18 days**.

Walmart Labs   **Sep. 2019 – Apr. 2022**
Software Engineer - III   *Bangalore, India*
- Implemented and modeled Data pipelines to track critical metrics (CTR, ATC, MRR, Query Reformulation, Conversion, Abandonment, Out of Stock, and the likes) to measure the KPI of Walmart Search. Subsequently analyzed customer journey efficiency and identified bottlenecks of business growth.
- The batch pipeline processes **100TB** of data, daily while generating up to ten key metrics.
- Contributed to architectural and pipeline enhancements for interleaving evaluation platform to accommodate new scoring methodologies in experiments.
- Developed and contributed to building a pipeline that evaluates the performance of AB test experiments using a compound scoring mechanism.
- Got up to speed with frontend technologies to accelerate development for the nDCG evaluation platform

Mad Street Den   **July 2016 – Jan. 2019**
Data Engineer   *Chennai, India*
- Spearheaded and authored a distributed search infrastructure over AWS infra using Apache Solr cloud that can support a maximum qps of **5000 per second** and under **100ms for 95 percentile**.
- Formalized personalization in search and developed a search product based on more than **ten customer affinities** that get updated and served to customers in real-time.
- Put together an automated product classification framework based on NLP and a rule-based engine that improves the granularity of the product types by more than 100%
- **SPOC** for multiple products like Cross Product, Search, and Product Classification
- Pioneered the transition to an incident Management Service: OpsGenie, which was instrumental in on-call fatigue reduction for a team of more than 50

EDUCATION

Indian Institute of Technology, Madras   **May 2016**
B.Tech, Computer Science & Engineering   *Chennai, India*
- Minor in Management & Social Entrepreneurship.
- Managerial and Design Team head for NSS 2012-13; Graphic Designer for college Tech Fest, Shaastra - '13

SKILLS & INTERESTS

- **Proficient**: Python, Java, Bash; **Familiar**: Scala, Go, C, F#, C#.
- **Frameworks**: Spring Boot, Hive, Spark, Pandas, Django
- **Services**:
    - AWS: Redshift, EC2, ALB, RDS, DynamoDB, AWS Lambda, ElasticCache.
    - GCP: Dataproc, CloudSQL, Compute Engine.
    - Azure: Compute, Azure SQL Server, Ad Groups
    - Proficient: Airflow, Redis, Git, MySQL, Apache Solr, Tableau
    - Familiar: Elasticsearch, Docker, Postgres, NoSQL, Terraform, Grafana, Prometheus