

Srikanth D

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WORK EXPERIENCE

Walmart Labs

Apr. 2022 – Present

Senior Software Engineer

Bangalore, India

- Part of the team which owns metrics and drives business outcomes at Walmart. As part of that, we designed and developed multiple platforms for increasing the experimentation velocity and throughput of data scientists.
- Created multiple queue-based platforms for users to create/ monitor their model's lifecycle for interleaving experiments and nDCG evaluations.
- Also, I designed and developed a Tableau dashboard to summarize the entire platform performance and other key evaluation metrics.

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 per day 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

- Designed and developed a distributed Data Pipeline and Search Infrastructure using Solr Cloud, Zookeeper, Django(Python), Prometheus, Grafana, and Amazon redshift.
- Implemented core algorithms for the company's SAAS Personalized Search solution, VueFind.
- Primary Developer (Dev to Prod) for the core algorithms in intelligent taxonomy classification service used as a core product. Technologies used: NLP, Django
- Familiarised and perfected expertise in AWS Services like EC2, S3, DynamoDB, RDS, Elastic Cache, Elastic Search, and AWS Lambda. Gained a deep understanding of libraries & frameworks like Pandas, sklearn, and Django.
- Member of the core team that developed various data-related products like Cross-Product, and Personalization.
- Initiated and spearheaded the usage of incident Management Service, OpsGenie while being a part of the On-Call Team.

Samsung R&D India

July 2013 – May 2013

Software Engineer Intern

Noida, India

- Familiarised with the usage of Debugging tools and analysis of Memory Allocation modules of Linux kernel in ASOP.
- Debugged issues in memory allocation of device drivers in Linux kernel of Android devices using Ftrace.
- Documented ION Heaps in Android and DMA Buffers for Memory allocation and their limitations

Sevenion

Dec. 2012 – Jan. 2013

Software Engineer Intern

Bangalore, India

- Gained a deep understanding and working knowledge of the Microsoft.NET framework
- Developed the client (C#) and backend for Data Replication and Sync app.

Formcept

July 2012 – May 2012

Software Engineer Intern

Bangalore, India

- Worked on Automation for managing and deployment of Hadoop and Hbase clusters on Mesos.
- Performed deployment of Mesos cluster and Hadoop over Mesos using Puppet and Shell(sh) scripting.
- Evaluated the performance of Hadoop on Mesos compared to the standalone cluster.

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, Shastra - '13

SKILLS & INTERESTS

- **Proficient:** Python, Java, Bash; Familiar: Scala, Go, C, F#, C#.
- **Frameworks:** Springboot, Hive, Spark, Pandas, Django, Microsoft .Net
- **Services:**
 - AWS: Redshift, RDS, DynamoDB, Postgres, Lambda, ElasticCache.
 - GCP: Dataproc, CloudSQL, Compute Engine.
 - Proficient: Tableau, Airflow, Redis, Git, MySQL, Apache Solr
 - Familiar: Elasticsearch, Kibana, Docker, Terraform, Grafana, Prometheus, Sqlite