

Sriranjan Sribhashyam

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TECHNICAL SKILLS

Languages & Frameworks: Python, JavaScript & Typescript with Node.js, Next.js, Tailwind CSS & React
Domain: User KYC fraud, Compliance Engineering, Card Declines & Chargebacks
DevOps: SemaphoreCI & GitHub Actions, RabbitMQ, Bazel, docker, AWS SAA Certified (SAAC02)
Data Management: pandas & dask, Snowflake, PostgreSQL, dbt, ORM's (TypeORM, SQLAlchemy, Prisma)
Data Science: Machine Learning with XGBoost, RAG's for LLM's, Retool Dashboarding

EXPERIENCE

Software Engineer

Feb 2021 – Present

ChipperCash

Los Angeles / Remote

- Collaborated with PMs and Marketing to build a full-stack in-app messaging system, spanning new React Native screens to backend APIs with Typescript, thereby saving ~\$80k/year by phasing out external vendors.
- Developed a XGBoost-based ML pipeline that cut referral fraud by 60% and saved \$350k, identifying high-risk users for Enhanced Due Diligence during onboarding.
- Devised a Python pipeline with dask & dbt to de-activate Virtual Cards for users with repeated declines & negative contribution margin, preventing the decline fees from racking up.
- Created a machine learning model to forecast chargeback likelihood on card deposits, using transaction velocity and previous chargeback history as key features, effectively blocking \$1.5M in high-risk deposits.
- Worked with MLROs to revamp watchlist screening using a faster, open-source alternative - thereby reducing false positives from 75% to 20% and saving about \$200k/month.
- Devised a Python pipeline using Dask and dbt, capable of automatically declining up to 100 eligible chargebacks per minute, thereby saving 3 minutes of manual labor per chargeback and preventing losses of ~\$40 million.

Data Engineer Intern

May 2020 – Dec 2020

Data Sleek

Los Angeles, USA

- Collaborated with 5+ clients to design, translate and implement business requirements into a technical spec.
- Delivered SQL stored procedures that perform analytical queries to detect and alert customers for changes in desired metrics, saving up to 20% of the base cost per item.
- Performed benchmark tests for several MemSQL configurations to determine optimal configuration for Time Series data, saving \$475/year while improving performance by 400%.

Software Engineer Intern

May 2018 – July 2018

Samsung Research

Bengaluru, India

- Set up Open Network Automation Platform on a local server on top of Openstack, using docker containers, laying the foundation for dynamically scalable ML applications based on resource requirements.
- Upgraded the ETL pipeline by deploying to Apache Kafka for streaming data to the microservice.

EDUCATION

University of California, Los Angeles

Los Angeles, USA

Masters of Science in Business Analytics

Sep 2019 – Dec 2020

College of Engineering Guindy

Chennai, India

B.S. Computer Science & Engineering

Jul 2015 – May 2019

PROJECTS

Youtube Video Search | *Python, OpenAI, Next.js, PostgreSQL, Typescript*

github.com/youtube-search

- Created a website that video-searched podcasts of a popular YouTube channel. Converted raw data into audio and transcribed it using whisper.cpp.
- Used pgvector to store and query embeddings, and generated context summary with gpt-3.5-turbo.

MyAnimeList CLI | *Rust*

github.com/mal

- Created an interactive CLI client in Rust to list anime based on a user's profile.
- Display detailed information regarding a show by parsing API.