

Sriranjan Sribhashyam

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SUMMARY

I am a Software Engineer in Machine Learning with 3.5 years of experience in building data-pipelines and deploying ML models using Python. I am eligible for a **2 year visa**.

TECHNICAL SKILLS

Languages & Frameworks: SQL, Python, TypeScript, React, Next.js
DevOps: CI/CD, Docker, Bazel, AWS SAA Certified (SAAC02)
Data Management: ETL pipelines, dbt, Snowflake, FiveTran
Data Science & ML: pandas & dask, PyTorch, matplotlib, scikit-learn, OpenAI APIs

EXPERIENCE

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|---|---|
| Software Engineer
<i>ChipperCash</i> | Feb 2021 – Present
<i>Los Angeles, USA</i> |
| <ul style="list-style-type: none">Deployed ML models for inference as a microservice using Flask REST APIs, served over an event-driven architecture using RabbitMQ that handled >1000 requests per minute.Implemented an ETL batch pipeline for computing user risk rating using Python, pandas (dask) & dbt models processing 10M+ rows in ~2 hours and providing analysts with fresh data in Snowflake.Productionized a heuristic using XGBoost and a Python ETL data pipeline to predict user risk at onboarding, which helped cut referral fraud by 60% and saved \$350k.Created a ML 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.Devised an automated Python data pipeline that declined up to 100 chargebacks per minute, thereby saving 200 hours of manual labor and preventing potential losses of ~\$4M.Collaborated with PMs and Marketing to build a full-stack in-app messaging system, spanning React Native screens in the Mobile App, to backend REST APIs with TypeScript - thereby saving ~\$80k/year by phasing out vendors. | |
| Data Engineer
<i>Data Sleek</i> | May 2020 – Dec 2020
<i>Los Angeles, USA</i> |
| <ul style="list-style-type: none">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 SingleStore configurations to determine optimal configuration for Time Series data, saving \$475/year while improving performance by 400%. | |
| Software Engineer Intern
<i>Samsung Research</i> | May 2018 – July 2018
<i>Bengaluru, India</i> |
| <ul style="list-style-type: none">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

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| University of California, Los Angeles
<i>Masters of Science in Business Analytics</i> | Sep 2019 – Dec 2020
<i>Los Angeles, USA</i> |
| College of Engineering Guindy
<i>B.S. Computer Science & Engineering</i> | Jul 2015 – May 2019
<i>Chennai, India</i> |

PROJECTS

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| Youtube Video Search <i>Python, OpenAI, Next.js, PostgreSQL, TypeScript</i> | github.com/youtube-search |
| <ul style="list-style-type: none">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 <i>Rust</i> | github.com/mal |
| <ul style="list-style-type: none">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. | |