

# 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, AWS SAA Certified (SAAC02)  
**Data Management:** ETL pipelines, pandas & dask, dbt, Snowflake, FiveTran  
**Data Science & ML:** PyTorch, matplotlib, scikit-learn, HuggingFace

## EXPERIENCE

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|---|---|
| <b>Software Engineer</b><br><i>ChipperCash</i>  | Feb 2021 – Present<br><i>Los Angeles, USA</i>   |
| <ul style="list-style-type: none"><li>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</li><li>Deployed ML models for inference as a microservice using a Flask REST API's, served over an event-driven architecture using RabbitMQ that handled &gt;1000 requests per minute with &lt;100ms 95 percentile latency.</li><li>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.</li><li>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 ~\$4M.</li><li>Implemented an ETL batch pipeline for computing user risk rating using Python, pandas (dask) &amp; dbt models, processing 10M+ rows in ~2 hours and providing analysts with data.</li><li>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.</li></ul> |   |
| <b>Data Engineer</b><br><i>Data Sleek</i>   | May 2020 – Dec 2020<br><i>Los Angeles, USA</i>  |
| <ul style="list-style-type: none"><li>Collaborated with 5+ clients to design, translate and implement business requirements into a technical spec.</li><li>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.</li><li>Performed benchmark tests for several SingleStore configurations to determine optimal configuration for Time Series data, saving \$475/year while improving performance by 400%.</li></ul>   |   |
| <b>Software Engineer Intern</b><br><i>Samsung Research</i>  | May 2018 – July 2018<br><i>Bengaluru, India</i> |
| <ul style="list-style-type: none"><li>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.</li><li>Upgraded the ETL pipeline by deploying to Apache Kafka for streaming data to the microservice.</li></ul>   |   |

## EDUCATION

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

## PROJECTS

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|---|--|
| <b>Youtube Video Search</b>   <i>Python, OpenAI, Next.js, PostgreSQL, Typescript</i>  | <a href="https://github.com/ranjan31051997/youtube-search">github.com/youtube-search</a> |
| <ul style="list-style-type: none"><li>Created a website that video-searched podcasts of a popular YouTube channel. Converted raw data into audio and transcribed it using whisper.cpp.</li><li>Used pgvector to store and query embeddings, and generated context summary with gpt-3.5-turbo.</li></ul> |  |
| <b>MyAnimeList CLI</b>   <i>Rust</i>  | <a href="https://github.com/ranjan31051997/mal">github.com/mal</a>                       |
| <ul style="list-style-type: none"><li>Created an interactive CLI client in Rust to list anime based on a user's profile.</li><li>Display detailed information regarding a show by parsing API.</li></ul>  |  |