SRIRAM VENKATACHALAM RAMASWAMY

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https://skeletrox.github.io

SUMMARY

I'm a **Machine Learning / Backend Developer** with experience in **architecting, engineering and deploying** scalable ML models employing **neural networks** and **time-series learning**. I am a **Smart India Hackathon finalist,** coming seventh in a nationwide hackathon for smart solutions for problems posed under different categories.

SKILLS AND PROFICIENCIES

- **Python** (Including NumPy, Pandas, Scikit-Learn, TensorFlow, Django Framework) | **Go** (including mux, http) | **C++** (Including STL) | **JavaScript** (Node.JS, React, Redux) | **Java** (Oracle Certified Associate in Java Programming, SE8) | **SQL**
- Telegraf, Kapacitor, InfluxDB (Including **InfluxQL** and **TICKScripts**) | Elasticsearch, Kibana

EXPERIENCE

July 2018 – June 2019

Network Analytics Engineer, *Aikaan Labs*

Developed and **deployed** an end-to-end **machine learning system** to detect anomalies and notify the user, using **Information Theory, Deep Learning** and **Time-Series Data.**

Automated the machine learning stack, **improving** prediction mechanisms and **reducing query times** from ≈ **5s** to **150ms,** a **3300% increase** in efficiency.

Developed **pluggable** telemetry collectors using Go

March 2018 – June 2018

Machine Learning Intern, *Aikaan Labs*

Developed a multi-label network usage classifier using **Packetbeats, TensorFlow** and **Fuzzy Logic**

January 2018 – April 2018

JavaScript Developer Intern, *Pinut*

Built Full Stack JavaScript web applications using **Node.JS, React** and **Redux**, as well as pluggable modules for third-party extensibility

EDUCATION

August 2019 – June 2021

Master of Science in Computer Science, Los Angeles, *University of Southern California*

Member, USC ACM | Courses: **Foundations of AI, ML for Games, Analysis of Algorithms**

August 2014 – June 2018

Bachelor of Technology in Computer Science and Engineering, Bengaluru, *REVA University*

CGPA **9.03/10** (3.76/4.0) | **Co-Founder, GNU-Linux User Group GLUG)-REVA** | Speaker, REVA University Skill Development Program

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PROJECTS AND PUBLICATIONS

- **OpenRAP: A Distributed, Scalable Offline CDN** – International Journal for Advancements in Computer Science Research, ISBN: 978-93-5311-910-2
- **ResQoS: Content-Centric QoS over SDNs** – CyPhysS 2018, Indian Institute of Science
- **Bella**: **Smart Home Assistant for Power Saving** – Smart India Hackathon Finalist
- **Halma Hussar**: Checkers-playing AI built in C++