Srinidhi Chintala

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# TECHNICAL SKILLS

* **Programming Languages**: C/C++, Python, Java, Go
* **Database**: SQL
* **Operation systems**: Linux, Windows
* **Tools**: Git, GitLab, Wireshark, Jira, Jupyter Notebook, VS code
* **Skills:** Networking, Virtualization, KVM, BASH scripting, GRE, DPDK, YANG
* **Areas of Interest**: Data structures and Algorithms, Operating systems, Objected Oriented Programming, DBMS

# EXPERIENCE

## Sandvine Technologies June 2021 – Present

Software Engineer – Dataplane R&D Bengaluru, Karnataka

## Machine Learning Model Development

* + Developed gaming app content categorization model identifying key categories like gameplay, voice chat, file download, streaming, browsing.

## GRE Traffic Parsing (Worked as Feature Lead)

* + Led development of GRE traffic parsing and analysis**.** Enhanced NIC performance with RSS flow rules on DPDK**.**
  + Contributed significantly to software development lifecycle.

## Quality of Experience Measurement

* + To measure subscriber’s internet Quality of Experience in satellite deployments, SSL handshake RTTs are calculated. Based on RTT values customer’s QoE is rated.

## Maestro Security Engine

* + Developed real-time network security solution to detect and block malicious traffic.
  + Malicious traffic like address scan, port scan, syn flood and flow flood are detected and blocked.
  + Utilized technologies including Go, gRPC, YANG and BASH scripting for seamless integration and deployment.

## License Validation Tool

* + Created a YANG and BASH script-based command line tool, ensuring product license validation.
  + Prevented installation of new feature upgrades if license is expired.

## Firmware Installations from Network manager server

* + Implemented command line feature to install firmware images from network management server.

# EDUCATION

## Bachelor of Technology – Computer Science and Engineering 2021

*Institute of Aeronautical Engineering – Hyderabad CGPA: 9.26/10*

# CERTIFICATIONS

Complete Data Science Bootcamp

# PROJECTS

**Pcap Extractor:** Implemented a python script for efficient etraction of essential data from pcap files, which significantly accelerated data collection process during machine learning project done for my current company.

**Web Scrapping:** Executed dynamic web scrapping to aggregate news headlines from different news websites.

**Heart Disease Prediction:** Applied machine learning techniques to predict heart diseases.