

Lohith Chittineni

Software Engineer Intern at Aviatrix • Masters in Computer Engineering at Purdue

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Education

Purdue University

West Lafayette, IN

M.S. Computer Engineering

Jan. 2022 - May 2024

GPA: 4.00/4.00

B.S. Computer Engineering

Aug. 2018 - Dec. 2021

GPA: 3.80/4.00

Skills

Python • C/C++ • Go

Linux • Git • Bash

SQL • Redis • Agile

AWS Cloud Practitioner

Sys. Verilog • STM32

GPU/CUDA Prog.

Embedded C • FPGA

Raspberry Pi

Interests

Cloud Computing

Embedded Systems

Systems Software

Big Data Analytics

Coursework

Applied Algorithms

Artificial Intelligence

Prog. Parallel Machines

ASIC Design Lab

Object Oriented Prog. C++

Computer/Network Security

Professional Experience

Aviatrix - Santa Clara, CA

Incoming Software Engineer Intern, Jan. 2022 - April 2022(Remote)

Qualcomm - San Diego, CA

Software Engineer Intern, May 2021 - Aug. 2021(Remote)

- Developed an end to end test framework for Qualcomm Enhanced SDK by adding over 50 validation tests cases
- Constructed framework in such a way to be extendable, modular, and scalable as more test cases and packages are added for validation
- Worked mainly with python, ui automation and adb debugging commands to implement automation of test cases

Hewlett Packard Enterprise - Houston, TX

Software Engineer Intern, May 2020 - April 2021(Remote)

- Joined HPC Group on the Slingshot Platform Team working with switch ASICs on Maintenance Network
- Exposed critical switch/server information through API's to better utilize RESTful interface and simplify workflow for other engineers
- Developed automated Firmware Image Building/ Deployment scripts using Go for a faster/ more convenient build process

LiveData Inc. - Cambridge, MA

Analytics Software Intern, May 2019 - Aug. 2019

- Developed predictive analytics model to estimate procedure duration time in hospitals using SQL Server Analysis Services and hospital procedure data
- Implemented Python test automation scripts using selenium that took over 500 screenshots of analytics dashboards for verification
- Documented ETL process from that would transfer dashboard data from SQLite/Data Warehouse to Tableau workbooks to be visualized

Projects

MapReduce, Spring 2021

- Implemented MapReduce model using parallel programming algorithms with OpenMP/MPI in C
- Produced speedups by taking into account communication costs/parallel overhead