DHRUV SUJATHA

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I am looking for an in-person/remote full-time position after my graduation in May 2025.

EDUCATION

Purdue University	*West Lafayette, IN*
Bachelor's of Science - Computer Science	*Expected Graduation: May 2025*
Bachelor's of Science - Data Science	

Proficient Languages: Python 3.x, C++, Java, Javascript, R, SQL

PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise — *Durham, NC*
Systems Software Engineering Intern — *June 2024 - August 2024*

- Migrated the existing CICD pipeline to a Jenkins Script and integrated update notification on the team Slack.
- Created a continuous test execution engine to automate the testing and data collection of the Beta and Ring releases of FleetOS.
- Greatly reduced the idle time of testbeds while not encroaching on the user-submitted test runs.

Hewlett Packard Enterprise — *Durham, NC*
Systems Software Engineering Intern — *May 2023 - August 2023*

- Worked under the HPE Primary Storage team to develop a tool to analyze the performance of the NimbleOS and FleetOS and formulate regression reports on a dashboard.
- Developed a Signature Collection and Log Analysis tool to unify bug triaging through parsing logs and extracting relevant information reducing the time taken to debug a failed run from days to minutes.

Skills Developed: Python3, ReactJS, Elastic Stack (ELK), Git, PyTest, Agile Development

Rosen Center for Advance Computing (ITaP) — *West Lafayette, IN*
Student High Performance Computing Engineer — *January 2022 - Present*

- Responsible for the planning, inventorying, deployment, and maintenance of 9 supercomputing clusters on campus. Developed pipelines to automate cluster management tasks such as logging and monitoring.

Skills Developed: Python, Bash Scripting, NetBox, Redfish, xCAT, SLURM, Asana, xALT

OTHER EXPERIENCE

Student Cluster Competition - SC 2022 — *November 2022 - Dallas, TX*

- Part of the SCC team representing Purdue University and Indiana University at the Supercomputing Conference 2022.
- Worked on the development of a mini supercomputing cluster capable of running scalable HPC applications such as PHASTA and LAMMPS. Optimized and compiled state of the art benchmarks such as HPL, HPCG, and MLPerf.
- Created a dynamic power management interface to monitor and control the power consumption of the cluster by underclocking and limiting the GPUs and CPUs.

Skills Developed: C++, Linux Kernel, Python, Bash Scripting, Spack, OpenMPI, CUDA, Git

CERTIFICATIONS AND AWARDS

ASA Datafest 2022 - "Best in Show" — *American Statistical Association*

· Recognized by the American Statistical Association for my work in finding meaning   *March 2022*
from a large and complex data set to aid in data-driven decisions.

AITP Computing Challenge Day 2022 — *Association of Information Technology Professionals*

· First in the *ITaP Super Computing Challenge* where we had to optimize rendering of a   *April 2022*
simulation of our universe utilizing ffmpeg, OpenMPI, and Intel MPI.

· First in the *DataMine ML Challenge* where we had to derive the conditional probabilities
of target features in a dataset and visualize it as a graph.