

DHRUV SUJATHA

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EDUCATION

Purdue University

Bachelor's of Science - Computer Science *GPA: 3.5*

West Lafayette, IN

August 2021 - May 2025

Purdue University

Bachelor's of Science - Data Science *GPA: 3.5*

West Lafayette, IN

August 2021 - May 2025

PROFESSIONAL EXPERIENCE

Rosen Center for Advance Computing (ITaP)

Student High Performance Computing Engineer

West Lafayette, IN

January 2022 - Present

- Responsible for the maintenance of 9 supercomputing clusters, planning, inventorying, and deploying new clusters.
- Currently working on deploying our newest research cluster, Negishi.
- Gained valuable experience in developing tailored software for supercomputing clusters.

Skills Developed: Python, Bash Scripting, NetBox, RESTful APIs, xCAT, SLURM, Asana

Farfetch

Data Science Researcher

West Lafayette, IN

August 2021 - May 2022

- Worked with a team of students via The DataMine Learning Community to store, analyse, and interpret fashion data to develop a Deep Neural Network model to predict size and fit.
- Deployed the finalized model on the cloud and setup pipelines and workflows for the upkeep of the model.
- Gained valuable experience in the use of Agile Software Development methodologies and related tools such as Asana, Trello, and Jira.

Skills Developed: Python, Tensorflow, Sci-Kit Learn, Pandas, MySQL, Trello, Jira

OTHER EXPERIENCE

Autonomous Robotics Club of Purdue

Server Admin Team

West Lafayette, IN

- Part of the Server Administrator Team responsible for the upkeep of the technical stack used by all the projects at ARC.
- Worked on deploying the infrastructure for the ARC website and the ARC Discord server using Docker.

Skills Developed: Python, Bash Scripting, Docsy, Hugo, Docker, ProxMox

Piano Hand Project

- Working with the software team to develop a firmware for a biomechanical hand which will be capable of playing the piano like a human being.

Skills Developed: C++, Arduino, MicroPython, Mosquitto

Quantum Game Club

West Lafayette, IN

- Learning the concepts of quantum mechanics and how it can be used in place of traditional computing.
- Using technologies such as Q# and Qatalyst from Quantum Computing Inc. to build optimized quantum applications.

Skills Developed: Q#, Qatalyst, Azure Quantum SDK

CERTIFICATIONS AND AWARDS

ASA Datafest 2022

American Statistical Association

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

March 2022

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 simulation of our universe utilizing ffmpeg, OpenMPI, and Intel MPI.

April 2022

• 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.

Visit my Website at dsujatha.xyz for more information.