Mukul Periwal

267-357-7410 | mp3636@drexel.edu | linkedin.com/in/Mukul | github.com/Mukul-code-rep |
portfolio-mukulperiwal.herokuapp.com

EDUCATION

Drexel University, Philadelphia, PA   January 2021 – June 2025
Bachelor of Science in Physics, Pennoni Honors College   *Cumulative GPA: 3.96/4.0*
Relevant Coursework: Computer Programming I, II, Calculus I, II, IV, Linear Algebra, Computational Physics I,
Intro to Nuclear Physics, Electromagnetic Fields I, Thermodynamics, Experimental Physics, Contemporary Physics I, II,
III

EXPERIENCE

Undergraduate Research Assistant   June 2021 – Present
Drexel University   *Philadelphia, PA*
- Working under the expertise of Dr. Russell Neilson on the project of detecting the presence of dark matter using bubble chamber.
- Running simulations on a virtually setup detector written with C++.
- Making python scripts to read the output data from simulations and present knowledgeable graphs using pandas library.

Computer Science Teaching Assistant   September 2021 – Present
Drexel University   *Philadelphia, PA*
- Assist the course professor with helping the students in the lab for the Computer Science Principles (CS150) class.
- Hold office hours for students to address their queries, even if they are taking a different course.
- Grade the pre-labs, labs, and homeworks and provide feedbacks while leaving a room to be questioned.

Equipment Window Assistant   June 2021 – Present
Drexel Recreation Center   *Philadelphia, PA*
- Check out equipments as per students and members ask for and checking them back in.
- Log inventory to help my supervisor keep track of equipments in the EQ window.
- Provide a good customer service to the customers.

PROJECTS

Blog Website | *Flask, PostgreSQL, HTML, CSS, Bootstrap, Heroku*
- Built a fully functional personalised blog website which is editable only by the admin.
- People can register and share their views on the blog posts.
- Link: **blog-learning-project.herokuapp.com**

Portfolio Website | *Flask, HTML, CSS, Bootstrap, Git, Heroku*
- Developed a portfolio website containing my details.
- Link: **portfolio-mukulperiwal.herokuapp.com**

TECHNICAL SKILLS

Languages: Python, SQL, HTML/CSS, VPython, LaTeX
Frameworks: Flask, RestAPI, Bootstrap, SQLAlchemy
Developer Tools: Git, PyCharm, Google Collaborate
Libraries: Pandas, NumPy, Matplotlib, Tkinter

AWARDS AND INVOLVEMENT

Dean's Scholarship, 2020 – Present
Dean's List, 2021 – Present
Society of Physics Students, Member, 2021 – Present