Siddarth Gupta

To obtain a research position where I can utilize and develop my skills and interests in algorithms, blockchain and machine learning.

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EDUCATION

Pennsylvania State University, University Park , PA

Bachelor of Science

Major: Computer Science

GPA: -.--/4.00

Expected Graduation: May 2026

EXPERIENCE

Petrous, India — *Programming Intern*

June 2022 - August 2022

- Worked with analysts to prepare test plans and assess test data.
- Used critical thinking to simplify problems, evaluate solutions & make decisions.
- Created databases, web forms and other applications for diverse uses.
- Designed and developed analytical data structures using Python.

Penn State University — Teaching Assistant

Jan 2023 - present

- Teaching assistant for Astro 1: Astronomical Universe.
- Working under Dr. Julia Kreganow.
- Engage with students to resolve doubts in course materials.

PROJECTS

Text Classification AI — Python
- Developed a neural network that classifies text.
- Differentiation between positive and negative messages.

Password Management System — Python
- Takes username and password from the user.
- Encrypts the information and stores it in a txt file.
- Upon the user's request it decrypts the requested password.

Covid-19 Data Analysis — Python
- Imported covid-19 dataset and prepared it for analysis.
- Merged two datasets and visualized using seaborn.

ISS Tracker —HTML, CSS, Javascript
- Used an API to track the location(latitude, longitude) of the ISS.
- Display the current location of the ISS as a blob using gmaps API.

SKILLS

Python proficiency

Javascript

Data Visualization

Critical Thinking

Microsoft Office

Relevant Coursework

Programming and Computation: Fundamentals

Programming and Computation: Data Structures

Calculus I & II

Introductory Microeconomic Analysis

Discrete Mathematics for Computer Science

Leadership Experience

Shunya Math Club - Founder and President

- Conducted a symposium of college students delivering lectures based on an interdisciplinary approach to Mathematics.

Optiverse - Chief Design Officer

-Appointed Graphic Designers internationally and nationally, to establish a Graphic Design team for the organization from scratch to maintain various social media platforms. Helped enhance analytical, oratorical, and writing skills of children around the world.