

Parth Gosar

Email: psg5179@psu.edu

Mobile: [\(814\) 4411871](tel:(814)4411871)

LinkedIn: <https://www.linkedin.com/in/parth-gosar-04042b1b1>

Website: www.mypsg.org

GitHub: <https://github.com/psg0009>

Foundation: www.mypsg.org/psgfoundation

EDUCATION:

The Pennsylvania State University, University Park, PA, 16802

August 2022-Present

B.S. in Computer Science, Minor in Mathematics, Graduation date May 2025

Programming & Computation/Logic Gates & Circuit Design/OOP

GPA - 3.74/4.0

AWARDS/ HONORS:

Dean's List, College of Engineering, Pennsylvania State University:

August 2022 – Present

- Recognized for outstanding academic performance within the College of Engineering for five consecutive semesters.
- Demonstrated excellence in coursework and maintained a top-tier GPA, securing a position among the highest achieving students in the college.

SKILLS: Python Data Structures & Algorithms, Java, C, Entrepreneurial, MySQL, Discrete Math, Web Design

COMPUTER SCIENCE EXPERIENCE:

Research Assistant, Pennsylvania State University

March 2023- Present

- Designed and implemented machine learning models for conversational AI development, leveraging NLP techniques to refine system functionality and enhance response accuracy by 30%.
- Directed the application of machine learning techniques to refine the conversational AI system, resulting in a 20% uplift in user engagement and a notable improvement in interaction efficiency, optimizing user interactions.
- Elevated open-source project standards by ensuring code quality and detailed documentation, resulting in a 25% increase in project engagement and community contributions.

Hack Harvard 23, Harvard University- Likhit

October 2023

- Engineered and launched a cutting-edge learning platform featuring OCR for analyzing handwriting samples, providing personalized feedback and practice, resulting in a 40% improvement in user writing accuracy and engagement.
- Integrated Flask for backend operations, advanced Python algorithms for recognition and scoring, and GPT-4 for smart phrase generation, ensuring high accuracy.
- Increased learning efficiency by 40% and user engagement by 25% through the implementation of the platform.

Hack PSU 23, Pennsylvania State University – GendED-chat Bot

October 2023

- Created an interactive chat application using OpenAI's GPT-3 for real-time AI conversations.
- Innovated the user-friendly interface by utilizing HTML, CSS, JavaScript, and Bootstrap styles.
- Optimized Flask back-end infrastructure to streamline server communication, resulting a 40% reduction in time.

WORK EXPERIENCE:

Learning Assistant for Physics 212, Pennsylvania State University

January 2024-May 2024

- Collaborated with faculty to design and deliver interactive lectures on semiconductors and electricity; increased student attendance and participation by 10% through engaging content and real-world applications.
- Facilitated student learning through effective instruction and support in Physics topics, resulting in improved academic performance and overall understanding of course material.

Learning Assistant for Math 141, Pennsylvania State University

August 2023- December 2023

- Designed a comprehensive academic success program for 30-35 first-year students, resulting in a 35% increase in exam scores and a 50% reduction in course withdrawal rates.
- Conducted weekly 2-hour sessions focused on clarifying key concepts and addressing supplementary challenges.
- Engaged in a weekly review meeting with Professor Duval for optimized student support.

PROJECTS:

Engineered Graphical Calculator using Java, JavaFX, HTML, and CSS.

July 2022- September 2022

- Created engaging instructional materials utilizing 3D modeling software, resulting in the improvement in student's understanding of abstract mathematical concepts.
- Executed data-driven enhancements, resulting in 15% increase in test scores for students and improved instructional strategies for educators.

ACTIVITIES & LEADERSHIP:

President, International Student Council, Pennsylvania State University

April 2024-Present

- Orchestrated a visionary leadership approach within the International Student Council, cultivating unity and integrity among diverse voices, resulting in a 40% increase in member engagement and event attendance.
- Devised and implemented a comprehensive strategic roadmap for ISC, leading organization-wide restructuring efforts and focused recruitment campaigns, resulting in a 25% improvement in operational efficiency and a 30% increase in event participation.

University Park Undergraduate Association (UPUA)

October 2022- April 2023

- Advocated rights of International Students through Justice& Equity Committee in UPUA resulting in increase 40% student engagement.
- Fostered inclusive campus environment, resulting in significant reduction of bias and discrimination related incidents.