

# Gaurav Parab

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## OBJECTIVE

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To gain practical experience relating to my skills in Computer Science and Software Engineering through an internship or research opportunity.

## EDUCATION

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### Pennsylvania State University

*B.S. Computer Science*

University Park, PA

*June 2022 - May 2026, GPA: 3.66*

## TECHNICAL EXPERIENCE

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### Pennsylvania State University

*Learning Assistant*

University Park, PA

*August 2022 - December 2023*

- Interacted with and taught students in CMPSC 131 (Programming Fundamentals) recitation classes alongside TA's.
- Held review sessions to help students understand the new material presented in lectures.
- Conducted code reviews and helped grade homework, projects, and tests.

### Special Order Systems

*Project Intern*

Sacramento, CA

*July - December 2021*

- Assisted in the development of security system solutions for California state beaches using API interactions in Python.
- Wrote code to connect to a weather API and relay data to beach systems and personnel.

## RELEVANT COURSEWORK

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OOP with Web-Based Applications (CMPSC 221)   Systems Programming (CMPSC 311)  
Data Structures and Algorithms (CMPSC 465)   HTML and CSS in depth (Coursera)  
Digital Design (CMPEN 270)   Computer Organization and Design (CMPEN 331)

## PROJECTS

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### Parser (Python)

March 2024

Designed a parser that parsed abstract syntax trees from certain expressions given a certain grammar.

### Course Scheduler (Java)

April 2023

A course scheduler with functionality to add/drop courses, manage students, and display student schedule using a GUI for front-end and a back-end SQL database.

### Monopoly Board Game (Java)

May 2022

Developed around 40% of the code of a fully functional GUI-based game of Monopoly using various data structures and packages, as part of a team.

### Discord Bot (JavaScript)

May 2020 - May 2021

Built a discord bot in Node.js which interacted with the Discord API and allowed users to perform and automate certain server tasks.

## EXTRACURRICULAR ACTIVITIES/CLUBS

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Penn State Outing Club (PSOC), Club Tennis, Nittany AI Student Society

## RELEVANT SKILLS

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**Languages:** Python, Java, JavaScript, C, HTML, and CSS; with beginner knowledge in C++ and R

**Developer Tools/Frameworks:** Visual Studio Code, Git, React, Next.js

**Non-Technical:** Tennis, Photography, Hindi, Spanish