

# Gaurav Parab

408-813-5199 | gkparab1@gmail.com | gauravkparab.com | linkedin.com/in/gparab | San Jose, CA

## EDUCATION

### The Pennsylvania State University

University Park, PA

*Bachelor of Science (B.S.), Computer Science | GPA: 3.66*

*July 2022 – May 2026*

- **Relevant Coursework:** Data Structures and Algorithms, Computational Theory, Systems Programming, Computer Organization and Design, OOP with Web-Based Applications, Digital Design, HTML and CSS in depth

## RELEVANT SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, C, HTML/CSS, Verilog, Bash, C++ (Basic), R (Basic)

**Developer Tools/Frameworks:** Git, Node.js, Docker, React, Next.js, MongoDB

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

## TECHNICAL EXPERIENCE

### The Pennsylvania State University

University Park, PA

*Teaching Assistant*

*August 2022 – December 2023*

- Facilitated weekly recitation for ~200 students learning programming fundamentals, collaborating with instructors
- Led three weekly review sessions to help students understand the new material presented in lectures
- Conducted code reviews for 100+ assignments per week, providing feedback to both students and instructors

### Special Order Systems

Sacramento, CA

*Software Intern*

*July 2021 – December 2021*

- Developed security system solutions for California state beaches through API interactions, improving efficiency by 10%
- Created Python scripts to automate weather data retrieval via APIs, providing real-time environmental data to beach systems and personnel

## PROJECTS

### Dashboard | *React, Next.js*

July 2024 – Present

- Designed a responsive dashboard to securely display over 200 sensitive punishment documents, improving engagement for 10+ users.
- Used Discord OAuth to lock sensitive data behind authentication

### Discord Bot | *JavaScript, Node.js*

May 2022 – Present

- Building a discord bot in Node.js which interacted with the Discord API, increasing server activity and handling over 200,000 concurrent users.
- Allowed 30 moderators to perform and automate certain server tasks, increasing general productivity

### JBOD System | *C*

September 2023 – December 2023

- Created a simulated multi disk system with read and write capabilities
- Implemented networking which enabled server communication with the system to send and receive packets

### Monopoly Board Game | *Java*

May 2022

- Collaborated with 3 teammates to create a full-stack Monopoly project
- Developed 40% of the codebase for the GUI-based game, employing various structures and packages

## EXTRACURRICULAR ACTIVITIES

### Nittany AI Student Society

- Actively engaged in workshops and bootcamps, collaborating with fellow participants to further my understanding of machine learning

### Club Tennis

- Attended weekly tennis practices, interacting with club members to refine my tennis skills and contribute to a collaborative team environment