

# Gaurav Parab

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## EDUCATION

### The Pennsylvania State University

University Park, PA

*Bachelor of Science (B.S.), Computer Science; Minor in ELD | 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, Computing with Quantum Computers

## RELEVANT SKILLS

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

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

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

## TECHNICAL EXPERIENCE

### Amazon Web Services

Arlington, VA

*Software Development Engineer Intern*

*June 2025 – Present*

- Amazon EC2

### General Dynamics Electric Boat

Groton, CT

*Tactical Software Engineering Co-op*

*January 2025 – May 2025*

- Internal software for the US Navy's upcoming fleet of submarines

### The Pennsylvania State University

University Park, PA

*Teaching Assistant*

*August 2022 – December 2023*

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

## PROJECTS

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

July 2024 – Present

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

### JBOD System | *C*

September 2023 – December 2023

- Created a simulated multi-disk system with read and write capabilities
- Implemented networking, enabling 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