

# ABHAY DEEP SINGH

B.S. in Computer Science  
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Full Stack Web developer  
specializing in responsive  
modern design and the best of  
frameworks.



## Education

### Georgia State University

Sophomore/expected Graduation: May 2026

- Presidential Scholar:** Full scholarship offered only to the top 10 Student at GSU.
- Honors College:** Exclusive experience for highly talented students.
- President’s List:** 4.0 GPA award.

### Academic Scores

College GPA: 4.0 • SAT: 1540 • AP Physics 1: 5 • AP Calculus AB: 5 • High School: 93%

## Skills

### Programming Languages

- HTML5/CSS/JavaScript:** Proficient in developing dynamic web applications with a knack of getting the full stack seamlessly integrated.
  - Relevant Technologies:** Node.JS (with Express.JS) • ReactJS • NextJS • MongoDB • SQL • Bootstrap • JQuery • Git • RESTFul APIs • Bash • Passport.JS • Web3 DApps ~
- Python:** Proficient in creating advanced programs for data analysis, manipulation, and cleaning. Skilled in IBM QISKIT for quantum simulation. Familiar with Computer Vision.
  - Relevant Technologies:** NumPy • Pandas • Matplotlib • Scikit-Learn • IBM QISKIT • OpenCV ~
- C Programming for Arduino**

### Concepts & Ethics

DOM • Responsiveness • Mobile First Approach • Security Best Practices • User Centric Design • Object Oriented Programming • Data Analysis • Quantum Computing • Team Leadership • Agile Methods • IOT (Arduino)

## Achievements and Community

- IAYP** (International Award for Young people).
- Merit** in National Science Olympiad (**SOF**).
- Merit** in **Homi Bhabha** Science Olympiad.
- Raised **48000 INR** for those in need of warm clothes. ([Fund Raiser Link](#))
- Honors in 6 online college level **certification courses** on Arduino, Computer Hardware, Electronics and electric circuits, and Data science
- Teaching the blind** under the Team Vision

## Experience

### Full Stack Web Developer

Pemdas Productions LLC

(Fall 2023 - Present)

- Created the website for the company (Full Stack).
- Used React hooks, components and CRUD operations for the front end.
- Used PostgreSQL (Supabase) for the database storing user data and shop data along with NextAuth for managing user sign ins.
- Led the tech team to revitalize the base website over the span of 4 months.

**Notable skills used:** NodeJS, ReactJS, NextJS, Tailwind CSS, PostgreSQL, Agile.

### Undergraduate Researcher

Georgia State University

(Fall 2022 – Present)

- Collaborated with Professor Ashwin Ashok and pioneered Quantum Computing research at Georgia State University.
- Created shared research documents studying Quantum Computing and learning IBM QISKIT technology.
- IBM QISKIT to simulate a quantum computer locally.

**Notable skills used:** Python, IBM QISKIT, NumPy, Pandas, Effective time management.

### Intern Tech Project Manager

Dot Glasses

(Fall 2021)

- Led the web design and prototyping team of 16 members
- Developed front-end design for presentation of the model.
- Won certificate of excellence in the program (best design).

**Notable skills used:** HTML5, CSS, JavaScript, Leadership, Agile.

## Projects

### NestQuest – ReactJS/PostgreSQL/MongoDB Atlas

HackGT WINNER!

(Fall 2023)

- A dynamic lease transfer app for students and student housing organizations that allows users to search for housing risk free
- Uses ReactJS and Tailwind for the front end to present a responsive UI along with MongoDB and Supabase for a scalable database.
- Consists of real time chat and secure user login to eliminate potential scams. Used Pusher API to ensure seamless chatting between users.
- Won HackGT 2023 for Best use of MongoDB Atlas.

### URBN– JS/ReactJS/Node.JS

HackATL

(Fall 2023)

- A website for artists to connect with investors to revitalize urban neighborhoods. Used MERN stack to create the website.
- Allowed users to browse through investors in their locality.
- Used mobile first approach to make a website that suited all platforms.

### Sahay– HTML/CSS/JS

HackATL

(Fall 2022)

- Created a chrome extension that helped people learn the meaning of difficult words in educational YouTube videos.
- JS to make the application detect and explain difficult words appearing in the video’s transcript.

## Certifications

(Georgia Tech, NYU, UCI)

- [The Arduino Platform and C Programming](#) • UCI
- [Computer Hardware and Operating Systems](#) • NYU
- [Data Science in Python](#)
- [Introduction to Electronics](#) • Georgia Tech
- [Intermediate Web Development](#) • Code Path
- [Linear Circuits 1: DC Analysis](#) • Georgia Tech