

# JAY PATEL

1020 Haley St, Macon, Georgia 31217

✉ [jaydpat0822@gmail.com](mailto:jaydpat0822@gmail.com)

🌐 [linkedin.com/in/jay-d-patel/](https://linkedin.com/in/jay-d-patel/)

🐙 [github.com/jayp822](https://github.com/jayp822)

🌐 [jaydpat.com](https://jaydpat.com)

## Education

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### University of Georgia

*Bachelor of Science in Computer Science (3.82 GPA)*

August 2020 – December 2024

*Athens, Georgia*

## Relevant Coursework

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- Data Structures
- Algorithms Analysis
- Cloud Computing
- Systems Programming
- Software Development
- Database Management
- Theory of Computing
- Computer Architecture

## Technical Skills

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**Languages:** Python, Java, C, HTML/CSS, Swift, JavaScript, SQL

**Developer Tools:** VS Code, PyCharm, Git, Xcode, Neovim

**Technologies/Frameworks:** Linux, Flask, Tkinter, Bootstrap, Pandas, Selenium, Tailwind CSS, GitHub

## Experience

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### College of Education UGA

*IT Help Desk Specialist*

August 2023 – Current

*Athens, Georgia*

- Used software that keeps inventory of all equipment distributed and collected by the College of Education at UGA.
- Disk wiped hard disk storage for rented laptops to create a better experience for the next user.
- Aided educators in resolving classroom hardware and software issues, promoting a seamless learning environment for all.

### Georgia College and State University

*College Computer Science Tutor*

January 2022 – May 2022

*Milledgeville, Georgia*

- Organized and hosted sessions that helped fellow students with their beginner Computer Science Classes.
- Planned sessions in which I clarified particular challenges and concepts that students found challenging in their Computer Science classes.

## Projects

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### Healthcare Insurance Plans | *AWS, MSSQL*

January 2024

- Cloud computing class project where we setup an EC2 instance running 2016 Microsoft Windows and create a database connection using Amazon's RDS service. In the EC2 instance, we create a insurance plan market web application where the users can pick from multiple options. Once the user picks a plan, the data is stored on Microsoft SQL server.

### Stock Market Alert | *Python, Twilio, Finnhub API*

November 2023

- Created a Python application that gives daily debrief and current news for desired stock based of it's ticker symbol. To gather specific information about the desired stock, I used get requests from the Finnhub API and the Python Time module.

### Password Manager | *Python, Tkinter*

November 2023

- Python application for secure storage of website URLs, email addresses, and passwords, featuring a random password generator for enhanced security. Users can add and retrieve passwords, with all the information stored locally in a JSON file. This project showcases a user-friendly interface built with Tkinter, JSON file manipulation, and robust password management.

### Dice Simulator | *Swift, Xcode*

October 2023

- Developed an iOS application that generates random rolls for a pair of dice upon each button press. Implemented a stack view structure to ensure compatibility with various screen displays and sizes. Built the project using XCode as the IDE and Swift as the programming language.

### Portfolio Website | *HTML5/CSS, JavaScript, Tailwind CSS*

January 2023

- Used HTML, CSS, Tailwind CSS, and JavaScript to create a website that showcases my education, projects, and job experience. I organized sections using flexbox and grid layout and used customized SVGs. Incorporated a responsive layout to adapt for multiple device screens using media queries.

### MySQL Database for Local Convenience Store | *MySQL*

November 2022

- Constructed a database for a small local convenience store by extracting and organizing data from physical customer receipts. Implemented functional dependencies, keys, and normalization techniques to eliminate redundancy and achieve Boyce-Codd normal form. Finalized the schema and stored customer data using MySQL