

# Kush Patel

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## EDUCATION

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### Eastern Connecticut State University

2022-Present

Major: Computer Science (3.7/4.0)

Willimantic, CT

Relevant Course work: Discrete Mathematics, Data Structures, Networking, Computer Algorithms, CompTLA+, Software Engineering

### Wentworth Institute of Technology

2021-2022

Major: Computer Science (3.7/4.0)

Boston, MA

Relevant Course work: Calculus I/II, Programming I/II, Computer Organization, Statistics and Probability

## PROJECTS

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### SpaceShooters (Java)

- Created the Space Shooters game using **JavaFX** and **Object-Oriented Programming** principles. This captivating game boasts various notable features such as infinite bullet generation from the ship, randomized asteroid drops, and many more engaging elements.

### Vosk – Speech to Text (JavaScript/Python)

- Developed a **Docker image** for Vosk, a **speech-to-text** framework, by utilizing the pretrained model. Created a **WebSocket** utilizing **Nodejs** to create a connection that efficiently transcribes audio and returns the corresponding transcriptions, showcasing the capabilities of Vosk in real-time applications.

### Library Management System (JavaScript/Html/CSS)

- This **Node.js-based** Library Management System offers comprehensive functionality for users and admins, including browsing, adding, deleting, and updating books. The system features a user-friendly graphical interface powered by **Bootstrap** and **CSS**, while leveraging the **Monogdb** database and **CURD** operations for efficient data management.

### Credit Card Statements converted to Excel (JavaScript)

- Developed a **Node.js-based** solution leveraging a **Pdfreader** library to extract data from credit card statements and transform it into Excel spreadsheets (xlsx), streamlining financial analysis and reporting processes.

### Other Projects

- GitHub - <https://github.com/Deuos>
- Docker - <https://hub.docker.com/u/kiesker>

## SKILLS

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### Other Frameworks/Libraries

- Languages: Java, JavaScript, TypeScript, Html, CSS, EJS, Assembly, Monogdb, SQL
- Frameworks and Libraries: JavaFX, Nodejs, Reactjs, Expressjs, TailwindCSS, Bootstrap, WebSocket, Axios
- Tools: Git, GitHub, Docker

## WORK EXPERIENCE

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### Wentworth institute of Technology

2021-2022

Position: Office Clerk

Boston, MA