

Arya Patel

224-716-0745 | Aryapatel1220@gmail.com | Chicago, IL | [linkedin.com/in/patel-arya](https://www.linkedin.com/in/patel-arya)

Master's student in Artificial Intelligence with a background in software engineering and web development. Passionate about solving complex problems through data-driven solutions, scalable web applications, and algorithmic optimization. Strong foundation in data structures, algorithms, and computational analysis, with hands-on experience in full-stack development. Adept at learning new technologies quickly and applying them to real-world projects. Seeking an internship to gain practical industry experience and expand expertise in AI-driven technologies and software development.

TECHNICAL SKILLS:

- Programming Languages: Python, JavaScript (ES6+), SQL, HTML5, CSS3
- Frameworks & Libraries: React.js, Node.js, Express.js
- Databases & APIs: PostgreSQL, REST APIs, MySQL
- Tools & Platforms: Git, GitHub, Netlify
- CS Fundamentals: Data Structures, Algorithms, Object-Oriented Programming
- Additional Skills: Agile Development, Debugging, Version Control, Deployment

TECHNICAL PROJECTS:

Fullstack Capstone, Dream Cream | Full-stack Developer | [Github Repository](#)

*Developed a full-stack e-commerce platform for a premium online ice cream shop using the **PERN** stack (PostgreSQL, Express.js, React.js, Node.js).*

- Built a dynamic, responsive user interface with **React.js**, enhancing user experience and navigation.
- Designed and managed product and user databases using **PostgreSQL**, optimizing for performance and scalability.
- Implemented **Node.js** and **Express.js** for backend API development, enabling secure user authentication and order processing.
- Created a streamlined checkout process with product filtering, search functionality, and detailed product pages.
- Deployed the application on **Netlify** and used **Git** for version control, following **Agile** development practices.

Book Buddy App | Frontend Developer | [Github Repository](#)

*Developed a responsive digital library application using **React.js** and custom **CSS**, providing users with an intuitive browsing experience.*

- Designed a scalable, component-based frontend with **React.js** and ensured responsive design for seamless use across devices.
- Integrated the **BookBuddy API** to dynamically fetch and display book data, including titles, authors, and detailed descriptions.
- Implemented search and filter functionality to enhance book discovery by title, author, and genre.
- Built single-book views for detailed information display, improving user engagement and navigation.
- Used **React Router** for smooth client-side navigation and **React hooks** for state management.
- Optimized performance with lazy loading and efficient API calls to ensure a fast and responsive experience.

Guess the Number Game | Frontend Developer | [Github Repository](#)

Developed an interactive browser-based game using JavaScript, HTML, and CSS where users attempt to guess a randomly generated number.

- Utilized JavaScript to handle user inputs and generate dynamic responses based on the player's progress.
- Designed a responsive and user-friendly interface using HTML and CSS, ensuring a smooth experience across different devices.
- Incorporated logic for validating guesses, providing feedback, and maintaining a score, improving user engagement.
- Deployed the project using Netlify, allowing public access to the application and demonstrating deployment skills.

EDUCATION:

DePaul University | *July 2024 – Present*

Master of Science in Artificial Intelligence

Relevant Coursework: Data Structures & Algorithms, Discrete Structures, Applied Algorithms & Structures, Tools & Techniques for Computational Analysis

University of Illinois at Chicago Coding Bootcamp Powered by Fullstack Academy

Software Engineering Certificate (Full-Time)

- Specialization in **front-end & back-end development** (JavaScript, React, Node.js, PostgreSQL, REST APIs)