


Gabriel Dalpian de Castilhos Pedro

 Gabriel Dalpian  gabrieldalpian.com  gabrieldalpian  gdd@njit.edu  +1 (551) 339-2508

Education

New Jersey Institute of Technology

B.S. Information Technology

September 2022 - Expected December 2026

Newark, New Jersey

Relevant Coursework

Courses: Intro to Computer Science, Internet Applications, Database Design Management & Applications, System Administration, Intro to Python, Web Development, Analysis & System Design, Java Programming, Building Web Apps.

Skills

Languages: Java, Kotlin, Python, SQL, JavaScript, TypeScript, HTML5/CSS, PHP

Libraries & Frameworks: Spring Boot, ReactJS, AngularJS, NextJS, Django, TailwindCSS, Bootstrap

Databases: MySQL, PostgreSQL, MongoDB

Tools: AWS, Git/GitHub, Linux

Projects & Experience

Ultimate Stats | Java, Spring Boot, PostgreSQL, React

- Developed the backend with Java, Spring Boot, and RESTful APIs to serve Premier League player data efficiently.
- Built a responsive ReactJS frontend for exploring teams and players.
- Designed a PostgreSQL database to store and query data for 700+ Premier League players.

MyChatBot | TypeScript, React, Gemini 2.5 Pro AI

- Built a modern chatbot web app using React and TypeScript, with a clean, responsive UI
- Integrated OpenRouter AI API to provide dynamic answers when pre-defined responses are unavailable.
- Developed logic to combine pre-made answers with AI-generated responses for a seamless user experience.

BankingAtGabriel's | TypeScript, AngularJS, Java, Spring Boot

- Built a banking system backend with Java Spring Boot for account management and transactions
- Developed a frontend with Angular to let users interact with their accounts through a clean UI
- Designed RESTful APIs for deposit and withdrawal operations

Portfolio Website | React, Bootstrap

- Engineered a responsive portfolio website using ReactJS, and Bootstrap
- Integrated React Icons and Bootstrap components for a modern UI.
- Utilized CI/CD with Vercel, enabling seamless deployment

Patient Registration System | Java, Swing, MVC

- Built a Java desktop application for registering patient data, using Swing for GUI design.
- Applied MVC architecture to structure model, view, and controller layers.
- Handled user input through event listeners and managed patient data using Java objects.

Bank Account System | Java

- Developed a Java-based banking system supporting account creation, deposits, withdrawals, and transfers.
- Implemented interest application for savings accounts, enhancing user experience with automatic balance updates.
- Created transaction history tracking to log and display all user account activities.

Crypto Price Tracker | Python, PHP, SQLite3, CSS

- Developed a crypto price tracker using Python and an API to fetch and store real-time Bitcoin and Ethereum prices.
- Built a backend system with SQLite3, automating data storage and updating every 10 minutes.
- Created a dynamic web interface in PHP to display live cryptocurrency prices in a table, integrated with the backend.

Languages

- English
- Portuguese