

# Jesus A. Donaciano

Scranton, PA | (570) 780-6715 | [jesus.a.donaciano@gmail.com](mailto:jesus.a.donaciano@gmail.com) | [linkedin.com/in/jesus-donaciano](https://linkedin.com/in/jesus-donaciano) | [github.com/donacianojesus](https://github.com/donacianojesus)

## EDUCATION

### The University of Scranton

Scranton, PA

*Bachelor of Science in Computer Science*

*Expected May 2026*

- Relevant Coursework: Computer Science I & II, Data Structures & Algorithms, Operating Systems, Intro to Databases, Computer Architecture, Real-Time Systems, Fundamentals of Software Engineering, Data Communications & Networks

## INDIVIDUAL PROJECTS

### Syllabus to Calendar | *Node.js, TypeScript, React, Express.js, GPT-4o, Tailwind CSS*

Sept 2025

- Developed a web app to convert course syllabi into an interactive calendar for tracking assignments, readings, and exams.
- Implemented a universal syllabus parser using GPT-4o with intelligent fallback to regex for consistent data extraction.
- Built a frontend with React + Tailwind CSS and a backend with Node.js, TypeScript, and Express, exposing REST APIs for uploads and advanced event processing.

### Cloud Storage Uploader | *Spring Boot, React.js, AWS S3, PostgreSQL, Docker*

Aug 2025

- Built a secure full-stack file upload system with JWT authentication and role-based access control.
- Designed REST APIs with Spring Boot, implemented drag-and-drop uploads in React, and integrated Amazon S3 for scalable storage.
- Deployed on AWS (Elastic Beanstalk, RDS, CloudFront) using Docker for scalability and reliability.

### Personal Portfolio Website | *React, TypeScript, Vite, Tailwind CSS, Framer Motion, GSAP, Sass*

Oct 2025

- Developed a responsive personal portfolio website with a custom dark theme, interactive animations, and resume integration.
- Integrated four real-world projects with detailed technical descriptions, smooth scrolling, and mobile-first design.
- Built with React and TypeScript using Vite for optimized builds and deployed on Vercel with SEO and accessibility enhancements.

## ACADEMIC PROJECTS

### Weblog Blog Platform | *Java, Maven, PostgreSQL, JDBC, BCrypt, Docker*

Oct 2024

- Built a CRUD-based blog platform with secure login/registration using BCrypt encryption.
- Implemented layered architecture with DAOs, service facades, and presenters for modularity.
- Containerized PostgreSQL database with Docker Compose for deployment and testing.

### TCP Group Chat Application | *C, TCP, Docker, AWS, Team of 3*

Nov 2024

- Implemented a TCP-based group chat system supporting multi-client communication and authentication.
- Collaborated using Git for version control to ensure secure, modular, and reliable architecture.
- Containerized with Docker for deployment on AWS and local environments for scalable communication.

### Real-Time Systems Car Controller | *Java, LeJOS, Multithreading, PID Control*

Apr 2025

- Programmed an autonomous Lego EV3 car using LeJOS with multithreaded Java control loops.
- Applied synchronization primitives and PID control for accurate navigation and obstacle handling.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript/TypeScript, Java, C/C++, C#, SQL, HTML, CSS, Bash

**Frameworks:** React, Next.js, Node.js, Express.js, Flask, Spring Boot, Tailwind CSS

**Databases:** PostgreSQL, MySQL, SQLite, MongoDB

**Cloud & DevOps:** AWS (S3, RDS, CloudFront, Elastic Beanstalk), Azure, Google Cloud Platform (GCP), Docker, Git/GitHub

**Other:** REST APIs, UI/UX, Machine Learning (basics), scikit-learn, VS Code, IntelliJ IDEA, Cursor IDE, Claude AI