

Swetha Mohandass

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Education

RUTGERS UNIVERSITY, THE STATE UNIVERSITY OF NEW JERSEY

B.S. COMPUTER SCIENCE MAJOR
BUSINESS ADMINISTRATION MINOR

Expected Graduation May 2026

- **Cumulative GPA:** 3.776
- **Relevant Coursework:** Software Methodology, Data Structures, Intro to Data Science, Systems Programming, Principles of Info & Data Management, Design & Analysis of Computer Algorithms.
- **Prospective Coursework:** Artificial Intelligence, Operating Systems Design.

Projects

RAILWAY RESERVATION SYSTEM

INFORMATION & DATA MANAGEMENT

Sept 2024–Dec 2024

- Developed a railway reservation system where users can book/view/edit train reservations.
- Designed a sales and performance report feature for business insights.
- Utilized **MySQL**, **HTML**, **CSS**, and **JSP** for full-stack implementation.

2-PLAYER CHESS GAME

SOFTWARE METHODOLOGY

Feb 2025–March 2025

- Built a two-player chess game in **Java**, supporting all standard and special moves.
- Implemented check and checkmate detection, move validation, and turn-based gameplay.
- Used OOP principles, including inheritance, polymorphism, abstract classes, and interfaces.

Experience

TAMIL AG CHURCH

LIVE STREAMING TECHNOLOGY SUPPORT

March 2020–Present

- Managed live streams on **YouTube** and **Facebook**, ensuring seamless video/audio quality.
- Edited and displayed on-screen content with **OpenLP** based on real-time needs.
- Trained and supervised new team members in technical operations and troubleshooting.

June 2021

WEB GAME DEVELOPER

- Developed a browser game for kids (ages 3-12) as part of a Vacation Bible School program.
- Used **CSHTML** and **JavaScript** to code game mechanics and hosted it on the church website.
- Integrated a **SQL** database to track user progress and gameplay data.
- Utilized **GitHub** repository for version control and collaborative development.

Competences

- **Programming Languages:** Java, C, JavaScript, HTML5, CSS, MySQL, and Python.
- **Technologies & Tools:** Git, Azure DevOps, AWS (IAM, EC2, S3, Databases, Lambda, etc.).
- **Concepts:** Object-Oriented Programming, Data Structures, Algorithms, Software Development.

Certifications

AWS CERTIFIED CLOUD PRACTITIONER (IN PROGRESS)

AMAZON WEB SERVICES (AWS)

July 2024–Present