

Ria Varghese

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EDUCATION

New York Institute of Technology | Old Westbury, NY

Master of Science in Computer Science | GPA: 3.75

Relative Coursework: Algorithm Concepts, Artificial Intelligence, Software Engineering

Bachelor of Science in Computer Science | GPA: 3.62

Relative Coursework: Database Management, Mobile Application Design, Operating Systems

EXPERIENCE

New York Institute of Technology | Old Westbury, NY

September 2024 – May 2025

Teaching Assistant

- Supported programming and database courses by designing lectures, assignments, and lab materials (SQL, PostgreSQL, Java, Python).
- Provided one-on-one academic and technical guidance to 50+ students, simplifying complex computing concepts like application development and database queries.
- Assisted in setting up and using VirtualBox environments to support lab activities.
- Streamlined grading and communication using Canvas LMS, contributing to smoother course logistics and student engagement.

Dunkin Donuts | Williston Park, NY

May 2021 – Present

Crew Member

- Served as a point of contact for troubleshooting POS software and system issues, ensuring minimal service interruption maintaining smooth operation.
- Collaborated with management to implement scheduling and inventory systems, enhancing operational efficiency through technology.
- Trained and onboarded new employees, standardizing processes to enhance team productivity and performance.
- Managed large volumes of transactional data while maintaining high standards for accuracy and customer satisfaction

PROJECTS

Hotel Management System – *Team Member*

- Built a full-stack web application for hotel room booking and management. Implemented features for room browsing, booking with automated email confirmations, and an admin dashboard. Developed using HTML, CSS, Java, JSP, and Apache Tomcat.

Student Attendance Tracker – *Team Leader*

- Led development of a QR code-based attendance system to ensure integrity and reduce manual errors. Boosted attendance accuracy by 95% and significantly reduced administrative workload. Built with HTML, CSS, Java, JSP, and Tomcat in a team-based Agile workflow.

VRExplo – *Frontend Developer*

- Developed the Android frontend for a therapeutic app designed to support users with phobias and trauma. Created intuitive UI components for signup, session management, and therapist tools. Collaborated with backend developers to integrate data flow between interfaces and Firebase.

SKILLS

Languages: Java, SQL, HTML, CSS, Python

Databases: PostgreSQL, MySQL, Firebase

Tools: IntelliJ IDEA, MySQL Workbench, VSCode, Android Studio, Firebase, Eclipse, GitHub

Certifications: CompTIA Security+, Salesforce Trailhead (AI Trail)