

JINAL DAVE

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EDUCATION

Master of Science in Software Engineering

New Jersey Institute of Technology, Newark, NJ

Relevant Coursework:

Graduated: MAY 2024

- Data Structures and Algorithms, Software Design and Production Methodologies, Software Architecture, Software Testing and Quality Assurance, Project Management, Database Systems Design, UI/UX Design, Operating Systems

Bachelor of Science in Electrical and Computer Engineering Technology

New York Institute of Technology, New York, NY

Relevant Coursework:

Graduated: MAY 2022

- Java Programming, Computational Analysis (Matlab), Project Engineering, Web Development, Embedded Systems and IoT, Mobile App Development, Technology Business Startup Practices

Academic Honors: Graduated Magna Cum Laude, Dean's Honor List (Jul. 2021), Presidential Honor List (Jul. 2020, Jan. 2020)

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, Python, SQL
- **Frameworks & Tools:** Spring Boot, Hibernate, JUnit, Node.js, React, Docker
- **Databases:** PostgreSQL, MySQL, Firebase
- **Other:** REST APIs, Git, Agile, TDD, CI/CD, AWS (basic), Prometheus, Grafana

PROJECTS

AI Powered Book Recommendation System - React, Node.js, Docker, Prometheus, Grafana

MAR.. 2025 - MAY 2025

- Engineered a full-stack web app using React and Node.js to provide category-based and second-level recommendations via a simulated AI microservice, deploying with Docker Compose for multi-container orchestration (frontend, backend, microservices, and monitoring).
- Developed backend services and integrated Prometheus + Grafana for real-time monitoring of API usage and system performance.

Bug Tracker & Task Manager - React, Node.js, PostgreSQL, Docker, JWT, REST API, Socket.IO

DEC. 2024 - JAN. 2025

- Developed a full-stack issue tracking system with role-based access (Admins and Developers), implementing REST APIs, JWT authentication with protected routes, and real-time ticket updates via Socket.IO.
- Designed PostgreSQL schema with relational logic and built intuitive dashboards to support ticket assignment, filtering, and project organization.

GoldenGlow Connect (Masters Project at NJIT) - Firebase, OpenAI API (ChatGPT), JavaScript

JAN. 2024 - MAY 2024

- Built a web-based support platform for menopausal health featuring a curated news feed, community forum, and AI-powered chatbot, with backend integration for real-time data flow and personalized user engagement.
- Integrated Firebase Authentication and Realtime Database to enable secure user login and real-time discussion/chat data management.

LEADERSHIP AND WORK EXPERIENCE

Peer Success Guide *New York Institute of Technology, New York, NY*

AUG. 2021 - MAY 2022

- Mentored 30+ first-year students by guiding academic planning, project selection, course registration, and use of campus platforms, while tracking progress and engagement through accurate documentation.
- Facilitated connections to on-campus resources, provided referrals tailored to academic and extracurricular needs, and encouraged participation in university tech events and activities.

Peer Tutor *New York Institute of Technology, New York, NY*

NOV. 2019 - MAY 2022

- Tutored 10+ technical courses including Programming (Java, Python), Calculus, Statistics, Physics, and Electrical Circuits by developing personalized learning plans, guiding students through debugging and problem-solving, and supporting academic performance in both in-person and virtual formats.

Club Secretary *Society of Women Engineers (NYIT Chapter), New York, NY*

OCT. 2019 - DEC. 2021

- Established and grew a 50+ member community of women engineers, organizing events that supported technical education, professional development, and peer networking.
- Led national conference participation, securing SWE WE Local 2020 Membership Growth Award and facilitating 20+ students' attendance at WE'20 (virtual) and WE'21 (Indianapolis).

Cyber Security Virtual Intern *Saint Peter's University, Jersey City, NJ*

SEPT. 2018 - DEC. 2018

- Investigated a cybersecurity threat case on the iQ4 platform involving the Hack Elites, conducting compliance analysis and applying the NIST framework for threat detection, containment, and recovery.
- Collaborated with administrative staff and team members to address regulatory concerns and uphold cybersecurity compliance standards.