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 QA, 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*

Academic Honors: **Graduated: MAY 2022**

- Graduated *Magna Cum Laude, Dean's Honor List (Jul. 2021), Presidential Honor List (Jul. 2020, Jan. 2020)*

Relevant Coursework:

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

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 book recommendations via a simulated AI microservice.
- Developed backend services and integrated Prometheus + Grafana for real-time monitoring of API usage and system performance.
- Deployed the platform using Docker Compose with multi-container orchestration for frontend, backend, microservices, and monitoring.

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 using React, Node.js, PostgreSQL, and Docker with role-based access for Admins and Developers.
- Implemented REST APIs, JWT-based authentication, protected routes, and real-time ticket updates using Socket.IO.
- Designed database 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 an AI-powered chatbot using JavaScript and Firebase.
- Integrated Firebase Authentication and Realtime Database for secure user login and real-time discussion/chat data management.
- Focused on backend integration of AI assistant and real-time data flow to support user engagement.

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.