

# JINAL DAVE

Jersey City, NJ 07307 | (551) 263-4551 | [jcd47@njit.edu](mailto:jcd47@njit.edu) | [LinkedIn](#) | [GitHub](#) | [Personal Website](#)

## 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, Data Management Systems Design, User Experience 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, Senior Design

## PROJECTS

### Bitcoin Price Tracker -ReactJs, TypeScript, Aircode.io, JavaScript

NOVEMBER 2024

- Developed a Bitcoin price comparison web app using React.js & TypeScript for a responsive UI.
- Implemented skeleton animations to enhance user experience.
- Integrated Aircode.io to fetch and store real-time Bitcoin prices from four providers.
- Built a price cruncher function to update prices and convert USD to BTC dynamically.

### Sorting and Path-finding Visualizers -ReactJs, JavaScript

JULY 2024

- Developed interactive algorithm visualizers using React.js & JavaScript, showcasing real-time sorting and pathfinding animations.
- Implemented *Bubble Sort*, *Merge Sort*, *Quick Sort*, *Dijkstra's*, *A\**, *BFS*, and *DFS* with user-controlled speed, array size, and obstacle placement.

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

JANUARY 2024 - MAY 2024

- Developed a community-driven web platform with a News Feed, Community Forum, and AI-powered MenoAdvisor chatbot for menopausal support.
- Integrated Firebase for authentication and real-time data storage, ensuring secure and seamless user interactions.
- Developed digital health interventions to support menopause-related concerns, with planned future enhancements for multilingual support and wellness tracking.

### Diet Monitor (Senior Design at NYIT) - SwiftUI, Firebase

JANUARY 2022 - MAY 2022

- Developed a SwiftUI-based diet tracking app for iOS, enabling users to plan meals, track calorie intake, and monitor health metrics.
- Integrated Firebase Authentication & Realtime Database for secure user login, data storage, and real-time updates.
- Utilized State Management (@State, @Binding) for dynamic UI updates and CoreData for local data persistence.
- Designed a responsive and accessible UI with SwiftUI navigation, TabView, and form validation for seamless user experience.

## LEADERSHIP AND WORK EXPERIENCE

### Peer Success Guide

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

AUGUST 2021 - MAY 2022

- Developed both academic and interpersonal relationships with 30 engineering freshmen before their freshman year, educating them about various resources and student services available at New York Tech
- Organized and budgeted for events to help student mentees adapt to college life and forge meaningful connections with classmates
- Provided appropriate referrals based on individual needs regarding academic and personal growth

### Peer Tutor

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

NOVEMBER 2019 - MAY 2022

- Provided in-person and online tutoring for college students helping them improve their test scores and GPA through structured study plans.

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

OCTOBER 2019 - DECEMBER 2021

- Established a club for more than 50 women engineers to learn from and network with on topics of engineering and technology
- Organized events to help facilitate students in their educational and networking goals.
- Won the national SWE WE Local 2020 Membership Growth Award for New York Tech (Fall 2020)
- Supervised and facilitated 20 students each year to attend the National Society of Women Engineers Conference WE'20 in 2020 virtually and WE'21 in 2021 in Indianapolis, IN

### Cyber Security Virtual Intern

*Saint Peter's University, Jersey City, NJ*

SEPTEMBER 2018 - DECEMBER 2018

- Conducted compliance analyst duties for a cybersecurity threat case involving the Hack Elites on the iQ4 platform.
- Implemented the NIST cybersecurity framework to enable timely detection, containment, and recovery from insider threats.
- Collaborated with administrative personnel and team members to maintain regulatory compliance and address concerns.