

VIGHANESH GAUND

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Education

New York Institute of Technology- BS in Computer Science with a Minor in Mathematics
New York, NY | GPA: **3.96/4.0**

Expected May 2025

Skills

Programming Languages: Java, Python, JavaScript, HTML, CSS, Linux, Dart, Swift

Backend Development: Node.js, Express.js

Databases: Firebase, SQL

Frameworks: React, React Native, Flutter

Environment: IntelliJ, PyCharm, Visual Studio Code, Anaconda, Git, GitHub, Trello, Xcode, Wix

Achievements: NYIT CyberHacks (2nd), NYIT Game Design (1st), NYIT IEEE Hackathon (2nd), Student Leader Awards, 2022-2024

Certifications: Crash Course on Python (Google), Foundation of Project Management (Google), Public Speaking (Linkedin)

Experience

Undergraduate Research and Entrepreneurship Program (UREP)

Sep 2023 – Present

New York Institute of Technology - New York, NY

- Conducted comprehensive literature reviews, developed a Python program utilizing the **Roberta model** for detecting **AI content in creative writing**, and presented findings to industry experts to highlight problems and provide probable solutions.
- Spearheaded a case study with college professors, identifying challenges in AI content detection. Achieved a **30% reduction** in data processing time through innovative strategies, securing a **\$500 research grant** and advancing towards detecting AI texts.

Peer-Tutor & Supplemental instructor

Sep 2022 – Present

New York Institute of Technology - New York, NY

- Provided one-on-one tutoring and code debugging assistance to **30+ students** in computer science courses, resulting in an average **15% improvement** in student grades semester-over-semester.
- Achieved a **98% issue resolution** rate in quality assurance testing for student assignments and projects, ensuring adherence to design specifications and enhancing overall course effectiveness.

Front-End Developer Intern (My work- <https://www.radiantglobalfund.com>)

May 2023 – Aug 2023

Radiant Global Fund - Dubai, U.A.E

- Developed and optimized **10+ responsive web applications** using HTML5, CSS3, and JavaScript, resulting in a 20% improvement in page load speed and a **25% enhancement** in mobile responsiveness, while collaborating with UX/UI designers to deliver pixel-perfect designs consistently rated **4.8/5** by clients.
- Optimized front-end code and assets for speed and performance, resulting in a **20% reduction** in page load time and improved SEO rankings on major search engines like Google and Bing.

Projects

Braille Reader (Cross Platform Mobile Application)

React Native, JavaScript, Firebase, Python, Figma

- Designed and developed a Braille reading application which uses **Optical Character Recognition (OCR)** technology to convert images of Braille text into human-readable text, enhancing accessibility for visually impaired users.
- Enabled users to capture and translate Braille text instantly, improving accessibility by reducing the time required to access printed information by up to **70%**.

JetSetGo (Vacation Planner Application) (Web Application)

React, HTML, CSS, JavaScript, Firebase, Figma

- Engineered JetSetGo, an innovative Vacation Planner Web Application, seamlessly integrating the **Booking.com API** for real-time flight information, pricing, and tourist attractions at specified destinations. Incorporated an **AI-powered chatbot** using open APIs to deliver personalized trip planning recommendations.
- Boosted user engagement with a **30% increase in bookings** and enhanced customer loyalty through account authentication, exclusive member discounts, and **increased registrations by 40%**, with member **engagement rising by 20%**.

Leadership & Achievements

Student Ambassador (NYIT)

May 2024 – Present

- Fostered a welcoming campus environment by engaging with prospective students, offering campus tours, and promoting academic and extracurricular activities.

Vice-President (Campus Activities Board)

May 2022 – Present

- Enhanced event management by leveraging technical skills as Vice-President of the Campus Activities Board, optimizing online ticketing and boosting event visibility on social media.

Secretary (NYIT Ventures)

May 2022 – Present

- Initiated career-focused initiatives as Secretary of NYIT Ventures, offering invaluable resources and guidance to students seeking professional development opportunities.