

Aadit Nagori

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136 9th Street, Troy, NY - 12180

EDUCATION

Rensselaer Polytechnic Institute (RPI)

Bachelor of Science, Computer Science

GPA 3.80/4.0, Dean's Honor List

Troy, NY

May 2025

TECHNICAL SKILLS

Languages: C++, Python, C, C#, Java, Assembly, JavaScript, HTML, CSS, SwiftUI, SQL, LaTeX, Dafny

Frameworks: Git, JUnit, Valgrind, Firebase | **Libraries:** Pandas, TensorFlow, Keras, SQLite, Selenium, BeautifulSoup

Relevant Coursework: Data Structures, Algorithms, Computer Organizations, Principles of Software, Database Systems, Computational Geometry, Software Design and Documentation

PROFESSIONAL EXPERIENCE

QBE Insurance

Automation Team Intern

New York City, NY

June 2023-August 2023

- Created an automation using Pega Robot Manager and C# that scanned PDF's with non-standard formatting and exported required information into Excel. This reduced manual developer effort from 24 hours to a few minutes
- Enhanced a pre-existing automation from an older version of Pega Robot Manager into a reusable deployable asset in the latest version
- Fabricated a mapping for the Pega Robot Manager automation deployment process and all existing automations with their technical dependencies and business applications in Service Now

Nuvama Wealth Management Limited (*erstwhile Edelweiss Wealth management*)

Software Development Intern

Mumbai, India

June 2022-August 2022

- Processed seasonal data on user reviews and ratings from App Store and Play Store to get graphs of ratings across the app's lifetime using Python
- Refined user reviews using Python and Google Developer Console to find recurring issues and suggestions on a bi-annual basis

RPI Mentoring Program

Computer Organization Mentor

RPI, Troy, NY

August 2023- Present

- Working as an undergraduate mentor for the Computer Organization course

PROJECTS AND RESEARCH

Undergraduate ML and Deep Learning Research | *Pytorch, Python, Tensorflow*

- Supporting the research and implementation of a new unsupervised method for detecting geometric anomalies in high-resolution 3D point clouds, adapting established 2D anomaly detection techniques to three dimensions
- Leveraging 3D scanning hardware and point cloud data processing techniques to generate highly detailed renderings from scanned objects, improving training database and data visualization capabilities

AIHWKIT – IBM | *Python*

- Researched and learned about the basics of Deep Learning by completing the MIT 6.s191 deep learning course
- Contributed to inference experiments with BERT Transformer on Stanford Question & Answering Dataset showcasing an inverse relationship between time and model performance under various read noise levels

C Compiler for MIPS | *C, Assembly*

- Developed a Compiler for MIPS Assembly in C that processes and converts C code into working MIPS Assembly instructions. Programmed capabilities for basic math instructions (+, -, *, /), looping, and functions

AI Video Curator | *HTML, CSS, JavaScript, Selenium, BeautifulSoup, APIs, LLM*

- Developing an AI-powered video curation website and Chrome extension that analyzes video data to evaluate quality and provide users with video summaries

VOLUNTEERING

Akanksha Foundation

Volunteer Teacher

Mumbai, India

June 2019-June 2021

- Taught underprivileged children mathematics, science and history and organized cultural events to facilitate their social and mental growth