

# Aadit Nagori

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## EDUCATION

**Rensselaer Polytechnic Institute (RPI)**  
Bachelor of Science, Computer Science  
GPA 3.76/4.0, 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, Scrum, Firebase | **Libraries:** Pandas, TensorFlow, Keras, SQLite, Selenium, CGAL  
**Relevant Coursework:** Data Structures, Algorithms, Computer Organization, Principles of Software, Database Systems, Computational Geometry, Software Design and Documentation, Modern Binary Exploitation, Computer Vision, Operating Systems, Intro To AI

## PROFESSIONAL EXPERIENCE

<b>Nucsoft</b> Software Development Intern	Mumbai, India May 2024 – August 2024
<ul style="list-style-type: none"><li>Led Development of a loan underwriting tool that automated the credit underwriting process in Python which utilized techniques like XGBoost, Logistical Regression and Dense Neural Networks which reduced manual effort by over 60%</li><li>Utilized AWS to host models and built a self-sustaining training system that retrained models automatically to keep improving model accuracy</li><li>Created and combined various models for different types of loans into a web app with a backend built using Django</li></ul>	
<b>QBE Insurance</b> Automation Team Intern	New York City, NY June 2023-August 2023
<ul style="list-style-type: none"><li>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</li><li>Enhanced a pre-existing automation from an older version of Pega Robot Manager into a reusable deployable asset in the latest version</li><li>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</li></ul>	
<b>Nuvama Wealth Management Limited</b> ( <i>erstwhile Edelweiss Wealth management</i> ) Data Science Intern	Mumbai, India June 2022–August 2022
<ul style="list-style-type: none"><li>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</li><li>Refined user reviews using Python and Google Developer Console to find recurring issues and suggestions on a bi-annual basis</li></ul>	

## PROJECTS AND RESEARCH

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

- Supported 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

### Procedural 2D Dungeon Map Generator | *C++, CGAL library*

- Created a 2D dungeon map creator that procedurally generates a terrain and cave system for 2D platformer games
- Utilized the C++ CGAL Library to employ Voronoi diagrams and Delaunay Triangulations to procedurally generate terrain systems based on input factors, and used probabilistic functions to iteratively fill out and create the explorable dungeon.

### Context Aware 3D Visualizer | *JavaScript, AWS EC2, Node.js, model-viewer, APIs*

- Created 'Readee,' a Chrome extension that visualizes terms in 3D using Google's model-viewer, alongside contextual definitions sourced from an LLM via an API, all within a 24-hour hackathon timeframe.

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

- Developed an AI-powered video curation website and Chrome extension that analyses video data to evaluate quality and provide users with video summaries
- Utilized Agile Methodologies and the Scrum Framework to work in a group of 5 members to complete the project in a 12 week time period