

# Rohan Jaryal

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## EDUCATION

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Georgia Institute of Technology, Atlanta, GA

May 2024

BS in Computer Science *Threads: Intelligence and Modeling & Simulation*

- GPA: 3.86/4.00
- Relevant Coursework: Data Structures and Algorithms, Objects and Design, Design and Analysis of Algorithms, Introduction to Artificial Intelligence, Machine Learning
- Organizations: Archery Club, GT iOS Club

## EXPERIENCE

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### Software Engineer Intern

May 2023 – Aug 2023

NCR Corporation, Atlanta, GA

- Developed an API using Python and the Flask framework, which enables the creation of a comprehensive representative company, including its sites and item catalog, to be utilized by the system integration testing team to test NCR commerce solutions.
- Engineered YAML deployments and docker files to enable the deployment of the containerized API to the cloud.
- Employed Kubernetes for efficient container management ensuring scalability and seamless interaction between microservices.
- Integrated API with the NCR retail demo app by successfully restructuring the backend and redesigning the frontend using Next.js.

### Data Analyst Intern

May 2022 – Aug 2022

NCR Corporation, Atlanta, GA

- Led the process improvement initiative for pre-calls made to customers, which ensures verification of installation details at sites.
- Collected and processed data to identify bottlenecks within current processes and analyzed findings to develop an efficient automated pre-call process.
- Worked alongside development team and created a system using Python on NCR's service platform to automate pre-calls.
- Initiative led a 43% reduction in the labor effort for pre-calls, significantly enhancing overall productivity and operational efficiency.

### GLC Office Assistant

Feb 2022 – May 2022

Georgia Institute of Technology, Atlanta, GA

- Assisted residents and visitors with inquiries and requests, while efficiently managing mail and package distribution. Additionally, maintained accurate building and resident records.

## PROJECTS

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### MIP Labeling Tool *VIP Research Project*

- Collaborate with a team of fellow students to develop an application using React and Flask to assist radiologists in diagnosing injuries and diseases.
- Create deep learning models to accurately classify interstitial lung disease and COVID-19.

### ManPac CS 2340 – *Objects and Design Project*

- Efficiently developed a Pac-Man-style game with a team using JavaFX.
- Employed agile practices and applying GRASP and SOLID principles to ensure a well-structured code base.

### Personal Website *Personal Project*

- Designed a personal website using React to showcase portfolio and utilized Netlify service to host website.

## SKILLS

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- **Languages:** Java, Python, HTML, CSS, JavaScript, C, C++, Swift, SQL
- **Concepts:** Objected-Oriented Design, Artificial Intelligence, Machine Learning, Data Analytics