

# Jack D. Greenberg

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## EDUCATION

### Rutgers University–New Brunswick

Sep. 2023 - May 2027

*B.S. in Computer Science & Data Science*

*New Brunswick, NJ*

**GPA:** 3.72/4.00, Dean's List

**Relevant Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

**Activities:** Secretary – Rutgers Artificial Intelligence Club, Technical Director – Rutgers Data Science Club, Tournament Executive – Rutgers Chess Club, Member – Rutgers ColorStack

## EXPERIENCE

### Technology Academy Extern

May 2025 - Jul. 2025

*AT&T*

*Middletown, NJ*

- Analyzed complex datasets using data analytics, REST APIs, and data visualization tools to uncover usage trends, improving reporting efficiency by **30%** and reducing manual analysis time by **10+** hours per month.
- Streamlined integration of external data sources by designing automated ETL workflows and error-checking scripts, cutting data refresh time from **24** hours to **15** minutes and increasing data reliability to **99.9%** availability.
- Implemented cloud security best practices (IAM hardening, encryption at rest/in transit, and logging) for data pipelines, resulting in **0** audit findings and supporting compliance with **2** standards (e.g., SOC 2, HIPAA).

### Web Developer Intern

Jun. 2024 - Aug. 2024

*TeenXperience*

*New Brunswick, NJ*

- Built an AI-driven resume evaluation platform that analyzed over **1,500** job seekers' resumes to predict hiring potential, improving users' interview-to-application conversion rates by **25%**.
- Implemented responsive front-end features using HTML, CSS, and JavaScript to create an intuitive interface, increasing average session duration by **30%** and repeat visits by **15%**.
- Integrated scalable back-end services with Node.js and Express to process AI-driven evaluations in real time, reducing average response time from **5** seconds to under **1** second for **100%** of users.

## PROJECTS

### Filed Email Classifier | *Python, scikit-learn, Optuna*

Feb. 2025 - Jul. 2025

- Developed a Python-based model using scikit-learn to automatically classify emails into categories with 88% accuracy.
- Processed over 5,000 emails and deployed the model through a streamlined CLI interface for real-time predictions.
- Improved model performance by 14% through algorithms testing and hyperparameter optimization using Optuna.

### House Worth Predictor | *Python, Supervised ML, Matplotlib*

Mar. 2025 - Jun. 2025

- Built a supervised machine learning model in Python to predict residential housing prices with 82% accuracy.
- Reviewed a dataset of over 1,200 entries and applied feature scaling with selection to optimize model performance.
- Used Matplotlib to graph model predictions and errors, making it easier to share results with stakeholders.

### Everyday Task Tracker | *React.js, JavaScript, Local Storage*

Apr. 2025 - Jul. 2025

- Engineered a task management web app using React.js with modular components, real-time updates, and persistent data.
- Designed a React.js form with smart validation that reduced user input errors by over 90%.
- Integrated local storage to persist user tasks across sessions and enhance user experience with data retrieval.

## TECHNICAL SKILLS & CERTIFICATIONS

**Languages:** Python, Java, JavaScript, TypeScript, C++, Go, R, SQL, Swift, HTML/CSS, Bash

**Developer Tools:** React, Node.js, Express, Git, Docker, Xcode, AWS, Google Cloud, macOS

**Concepts:** Software Development, Machine Learning, Web Development, Cloud Computing, Cybersecurity, Data Analysis, Debugging

**Certifications:** Deep Learning Specialization – DeepLearning.AI, IBM AI Engineering Professional Certificate, Meta Back-End Developer Professional Certificate, Google IT Automation with Python Professional Certificate