

## PROFESSIONAL SUMMARY

Final-year Computer Science student at Rutgers University with strong foundations in data structures, algorithms, databases, and computer systems. Skilled in Java, Python, C, SQL, Assembly, and front-end web technologies (HTML, CSS, JavaScript). Proven experience through academic projects in data analysis, reverse engineering, database design, and GUI application development. Seeking internship or entry-level opportunities in software development, data engineering, or systems programming.

## EDUCATION

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### Rutgers University – New Brunswick, NJ

- B.S. in Computer Science · 2023–Present
- Expected Graduation: May 2026
- GPA: 3.129 | Dean's List: Fall 2024
- Key Coursework: Data Structures, Discrete Structures I & II, Computer Architecture, Database Management, Linear Algebra

### San Francisco State University – San Francisco, CA

- B.S. in Computer Science · Fall 2022 – Spring 2023
- GPA: 3.5 | Dean's List: Fall 2023

## TECHNICAL SKILLS

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- Languages: Python, Java, C, SQL, x86 Assembly, JavaScript (HTML/CSS/JS)
- Libraries/Tools: Pandas, NumPy, matplotlib, Jupyter Notebook, VSCode, GDB, objdump, GitHub Pages
- Core Concepts: Data Structures & Algorithms, Database Management, Computer Architecture, Discrete Mathematics, Web Application Development

## PROJECTS

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### Spider-Verse Data Structures Project (Java)

- Implemented graph algorithms: adjacency lists, hash tables with rehashing, DFS, BFS, and Dijkstra's algorithm.

### Music Database Project (SQL)

- Designed and normalized a relational schema for a music platform (artists, albums, songs, playlists, users, ratings).
- Wrote 10 SQL queries to analyze genres, user activity, and popular content.

### Data Analysis Projects (Python)

- Cleaned and transformed datasets (EU Cities, German Credit, Google Playstore Apps).
- Built visualizations to identify credit risk, app performance, and climate trends.

### Bomb Lab – Reverse Engineering Challenge (C, Assembly | Tools: GDB, objdump)

- Reverse-engineered a compiled binary to trace memory, understand control flow, and decode logic.
- Successfully defused all phases while gaining experience in debugging and system-level execution.

### Truth Table Generator – Logic Circuit Simulator (C)

- Developed a truth table simulator to evaluate AND, OR, NOT, XOR, Multiplexer, and Decoder gates.
- Implemented bitwise logic, file I/O, and dynamic evaluation of logical circuits.

### GUI Calculator (JavaScript)

- Built a modern calculator with a graphical user interface using HTML, CSS, and JavaScript.
- Implemented features such as dark/light themes, keyboard support, persistent history with localStorage, implicit multiplication, and error handling.
- Designed a responsive layout for both desktop and mobile platforms.

## PROFESSIONAL DEVELOPMENT

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- Web Designing — Elite Academy of Information & Technology, 2022
- Object-Oriented Programming with Java — Elite Academy of Information & Technology, 2022
- C Programming — Elite Academy of Information & Technology, 2021