

DEEP PATEL

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EDUCATION

RUTGERS UNIVERSITY - New Brunswick, NJ

Dean's List

Bachelors in Computer Science ----- Jan 2025

Minor in Business Administration, Minor in Economics

Relevant Coursework:

Data Structures, Computer Architecture, Systems Programming, Discrete Structures I, Discrete Structures II, Macroeconomics, Intermediate Microeconomic Analysis, Financial Accounting, Strategic Presentation

SKILLS

- Java
- Python
- C
- HTML & CSS
- SQL
- Microsoft Office Suite
- Financial Analysis
- Problem Solving
- Analytical Thinking
- Client Relationships

PROFESSIONAL EXPERIENCE

DS DIAMONDS INC.

New York, NY

Invoicing and Accounts Handling Assistant ----- Oct 2021 - Present

- Responsible for accounts payable and transfers to suppliers
- Managed accounts receivable operations to guarantee payment accuracy and timeliness
- Utilized excel to maintain inventory and professionally invoice customers

PROJECTS

Stock Screening and Analysis Toolkit - Python ----- Jun 2022 - Present

- Utilized the yahooquery API to screen and analyze stocks and
- Accessed the python Requests module to scrape data from Zacks Investment Research.
- Presented data in informational and concise graphs using Matplotlib
- Used pandas data frames and python dictionaries to organize, process, and present data

Data Compression Using Huffman Coding Algorithm - Java ----- Mar 2022

- Implemented a text compression algorithm called Huffman Coding that can compress text files by up to 80% using arrays, lists, trees, stacks, and queues.
- Created a frequency table of characters within the text file and used 1s and 0s to encode characters and compress the text file.

Unix-style Shell - C ----- Mar 2023

- Designed a unix-like shell that allows users to execute commands in interactive and bash mode using C
- Made use of the POSIX API, piping, forks, and executions to execute commands and redirect inputs and outputs

Digital Circuit - C ----- Dec 2022

- Simulated a logical circuit involving components such as Multiplexers, Decoders, AND gates, etc.using Linked Lists and Structs