

## DEEP PATEL

[deeppankajpatel@gmail.com](mailto:deeppankajpatel@gmail.com) • [LinkedIn](#) • 551-240-1269 • [deep2003.github.io](https://deep2003.github.io)

## EDUCATION

---

RUTGERS UNIVERSITY – NEW BRUNSWICK, NJ	Dean's List
Bachelor's in Computer Science   Minor in Business Administration   Minor in Economics	Jan 2025
Relevant Coursework: Data Structures, Discrete Mathematics I & II, Design and Analysis of Algorithms, Systems Programming, Software Methodology, Principles of Information and Data Management, Econometrics	

## PROJECTS

---

<b>Restaurant Order Management Software – Java, JavaFX</b>	Nov 2023
◊ Applied inheritance and abstraction techniques to create reusable code components, optimizing development efficiency and code maintainability.	
◊ Designed and implemented a user-friendly interface that employed Buttons, Images, Lists, Combo Boxes, and Controllers to facilitate seamless interactions and intuitive navigation.	
◊ Utilized JUnit testing framework to rigorously validate software performance employing Black-Box Technique.	
◊ Implemented a dynamic data structure to manage storewide and individual orders.	
<b>Stock Screening and Analytics Toolkit – Python</b>	Jun 2022 – Jul 2023
◊ Deployed the yahooquery API to screen and analyze stocks	
◊ Utilized Python's Requests module to retrieve data from Zacks Investment Research	
◊ Created informative and concise data visualizations using Matplotlib	
◊ Implemented Pandas data frames and Python dictionaries to organize, process, and present data effectively	
<b>Data Compression Using Huffman Coding Algorithm – Java</b>	Mar 2022
◊ Developed and implemented a text compression algorithm inspired by the Huffman Coding Algorithm, resulting in text file size reductions of up to 80% through the application of arrays, lists, trees, stacks, and queues	
◊ Generated a character frequency table from the text file, employing binary encoding (1s and 0s) to compress the contents of the file	
<b>Unix-style Shell – C</b>	Mar 2023
◊ Developed a Unix-like shell terminal in C, enabling users to execute commands in both interactive and bash modes	
◊ Utilized the POSIX API, implemented piping, forks, and executions to effectively run commands while managing input and output redirection	
<b>Digital Circuit – C</b>	Dec 2022
◊ Emulated a logical circuit, incorporating elements like Multiplexers, Decoders, AND gates, etc., through the utilization of linked lists and structs	
◊ Designed and implemented a dual linked-list system for tracking variables and outcomes	

## PROFESSIONAL EXPERIENCE

---

DS DIAMONDS INC.	New York, NY
Business Associate	Oct 2021 – Present
◊ Utilize Excel to analyze and optimize company processes, to streamline operations and reduce expenses.	
◊ Manage accounts payable processes and facilitated supplier transactions	
◊ Oversee accounts receivable operations, ensuring precise and prompt payment processing	
◊ Proficiently employed Excel to manage inventory and generate professional customer invoices	

## SKILLS

- 
- ◊ Technical: Java, Python, C, HTML & CSS, SQL, Regression Analysis, Microsoft Suite (Excel, PowerPoint, Word)
  - ◊ Soft: Problem Solving, Collaboration, Adaptability, Time Management, Organization