

Arush Bhardwaj

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Education

Rutgers University Honors College, New Brunswick, NJ

September 2022 - May 2026

Majoring in Computer Science and Business Analytics & Information Technology

Recipient of the Honors commendation and the Honors Scholarship granted to the top 5% of students.

Coursework: Introduction to Computer Science, Data Structures and Algorithms, Introduction to Discrete Structures I, Computer Architecture, Calculus I & II, Linear Algebra

Skills

Programming Languages: Java, C++, Python, JavaScript, SQL, HTML/CSS, Swift, R

Tools: Google G Suite, Microsoft Office, Git, GitHub

Methodologies: Object-Oriented Programming, Design Thinking, Agile/Scrum

Other: Project Management, Problem-Solving, Interpersonal Skills/Teamwork

Experience

Freelance Website Designer — Web Development

April 2020 - October 2020

- ❖ Constructed 2 websites overall for two independent local businesses
- ❖ Contributed significantly to the design process of a website for a small company using JavaScript and HTML/CSS
- ❖ Progressed to independently developing a website for a local restaurant

Goldman Sachs Virtual Experience Program — Software Engineering

December 2022 - January 2023

- ❖ Participated in the open-access Goldman Sachs Virtual Experience Program with Forage
- ❖ Evaluated and debugged 50+ hash algorithms
- ❖ Analyzed 10+ AI models that automated customer service & examined the security of databases
- ❖ Gained insight into a tech-empowered and people-led work environment

KPMG Virtual Experience Program — Data Analytics

November 2022 - December 2022

- ❖ Participated in the open-access KPMG Virtual Experience Program with Forage
 - ❖ Led a data analytics project by identifying 20+ data quality issues and providing ways to mitigate these issues
 - ❖ Employed tools such as Python, R Programming Language, and MatLab
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Projects

Personal Portfolio Website

August 2023

- ❖ Successfully conceptualized, designed, and created a personal portfolio website
- ❖ Developed an interactive UI utilizing the Bootstrap front-end framework with languages such as Javascript and CSS alongside HTML for back-end

2048 Game

January 2023

- ❖ Coded a working version of the game 2048 utilizing methods and classes written in Java
- ❖ Effectively addressed more than 140 test cases and ensured optimal execution of the code
- ❖ Incorporated Arrays and ArrayLists to ensure the functionality of the game and grant proper efficiency to the compilation of the code

Warehouse Storage Simulator

March 2023

- ❖ Wrote methods and classes in Java for the development of a storage simulator to illustrate how much storage is available in a particular warehouse as well as where in the simulated space the allocated storage is
- ❖ Employed 2 data structures (Hash Tables and Priority Queues) to maximize the efficacy of the code to satisfy over 50 test cases

Huffman Coding Algorithm

March 2023

- ❖ Compiled methods and classes in Java to compose a functional implementation of the Huffman Coding lossless data compression algorithm
- ❖ Implemented data structures such as Trees and Linked Lists to maximize the performance of this algorithm on the 60+ test cases applied