Shantanu Jain

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Github: https://github.com/shantanujain9/ | Portfolio Website: www.jain9.com

EDUCATION

Rutgers University	**New Brunswick, NJ**
Bachelor's of Science in Computer Science	**January 2024**

Major GPA: 3.5

Coursework: Design and Analysis of Algorithms, Software Methodology, Software Engineering, Computer Architecture, Principles of Programming Languages, Prin of Info and Data Management, Data Management for Data Science, Macroeconomics, Linear Algebra, Data Structures.

Awards: High Honors Roll, Dean's Lists

SKILLS

Programming Languages: Python, Java, C/C++, SQL, JavaScript
Frameworks & Libraries: Qt, React.Js, Numpy, Pandas, Scikit, Android SDK, Bootstrap
Databases: Google BigQuery, MySQL, Firebase, PostgreSQL
Tools: Git, Google Cloud Platform, Linux, VS Code, Github, Tableau

UNIVERSITY PROJECTS

Automated Lounge Schedule Creator - jain9.com/rcsa-scheduler **April 2023**
- Developed a **full-stack application** that automates schedule creation for 20+ members by intelligently assigning members to specific time slots based on their preferences, resulting in 80% reduction in manual effort.
- Utilized the **Django framework**, incorporating **JavaScript** for the user interface, and **Python** for server-side code. Additionally, applied **HTML** and CSS for styling and user interface design.

Path-Finding Algorithm Visualizer - jain9.com/pathfindingalgorithm **May 2022**
- Built an interactive **React.js** application to visualize the workings of 6 different path finding algorithms including **Dijkstra's Algorithm**, A* Search, Greedy Best-first Search and Swarm Algorithm.
- Incorporated 5 different features for adjusting visualization speed, clearing paths for the entire board, introducing a bomb, and viewing tutorial guidance, ensuring an interactive learning environment.

Uber Data Engineering Project - jain9.com/uberDataEngineeringProject **Oct 2022**
- Built an **ETL** pipeline using Mage Data Pipeline Tool and performed data analytics on Uber's dataset. Used Google Cloud's **Bucket** for Storage, Google **BigQuery** for Data Warehousing to identify transportation trends.
- Utilized **Google's VM Instance** for data cleansing, preprocessing and transformation, and data modeling. Established a streamlined data pipeline, resulting in sophisticated **data visualization** through **Looker.**

E-Commerce Website - github.com/FiazMushfeq/Auction-Website **Feb 2023**
- Built a robust e-commerce website using **React.JS**, featuring a user-friendly interface, extensive product catalog, shopping cart, and secure payment system, backed by **MySQL database** for efficient data management.
- Utilized **GCP** for hosting and **CI/CD pipeline**, enabling automated testing and quicker deployments.

COMPETITIONS

Salhotra Quant Challenge - Algorithmic Stock-Trading Competition **Sept 2021 – Dec 2021**
- Developed low-latency algorithms and applied quantitative strategies to profit from live market trading.

HackRU - Social-Good Coding Competition **Oct 2023**
- Developed a novel social media app utilizing **Java** to address the issue of difficulty in forming new connections.

LEADERSHIP EXPERIENCE/INVOLVEMENT

Public Relations Chair - Rutgers Commuter Association **Sept 2022 - May 2023**
- Enhanced RCA's online presence by regularly posting on social media, which increased followers by 30%.

Treasurer - Rutgers Aviation Club **Sept 2022 - May 2023**
- Administered $3,000 budget, through record-keeping, allowing effective event execution and initiative planning.

EXTRACURRICULARS: Quantitative Finance Club, Intramural Volleyball and Phi Sigma Pi Honor-Fraternity.