Romil V. Shah

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ 01/2022 - 12/2023
Master of Science | Computer Science. GPA: 3.268
Graduate Certificate | CyberSecurity. GPA: 3.585
Honors: Master's Scholarship Award for 2022

Marwadi University, Rajkot, India 06/2018 - 05/2021
Bachelor of Computer Applications. GPA**:** 3.66

SKILLS

- Programing Languages: Python, C++, Java, C, PHP
- Technologies: SQL, MySQL, Postgre SQL, HTML, CSS
- Operating Systems / Tools: macOS, Windows, Linux, VS Code, MS Office, Eclipse, LaTeX
- Languages: English (Bilingual), Hindi (Native), Gujarati (Native)

EXPERIENCE

Dianco Inc, New York City, NY 03/2024 - Present
IT Administrator

- Assisted in troubleshooting and resolving hardware and software issues, ensuring smooth operation and minimal downtime for users.
- Regularly performed website updates, ensuring content accuracy, functionality, and security by applying patches and troubleshooting issues.

iTechNuts Solutions, Ahmedabad, India 06/2021 - 12/2021
Web Development Intern

- Created and maintained responsive web pages using HTML, CSS, and JavaScript, ensuring compatibility across various devices and browsers.
- Assisted in the development of web applications by integrating APIs and working closely with senior developers to enhance user experience and functionality.

ACADEMIC PROJECTS

Stevens Institute of Technology
Captain Veggie Game Fall 2023

- Designed and developed a simulation game to analyse the interaction between vegetarian and carnivorous species in a controlled environment, aiming to understand emergent behaviours.
- Utilized Python for development, leveraging object-oriented programming, and implemented various data structures to manage game state and creature behaviours.
- Developed classes for different creature types, implemented a simulation engine to handle movement and interactions, and created visualization tools for real-time monitoring of the simulation.
- Spearheaded the project, coordinating the team, writing core algorithms, and ensuring code modularity and performance efficiency.

Stevens Institute of Technology
Search Engine Spring 2023

- Developed a search engine to index and retrieve information from a set of web pages, focusing on efficient and accurate search results while enhancing search efficiency and relevance.
- Implemented using Python, including libraries like BeautifulSoup for web scraping, NLTK for natural language processing, and standard data structures for indexing and search functionalities.
- Designed a crawler to fetch web pages, implemented indexing using inverted indices for fast retrieval, and integrated a ranking algorithm to prioritize search results by relevancy.
- Sole developer responsible for end-to-end implementation, including designing the architecture, coding the modules, and conducting performance evaluations.