Arshpreet S Aneja

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EDUCATION

Rochester Institute of Technology | GPA: 3.6/4 — **December 2024**

B.S., Computing and Information Technologies, Concentration in Database Management — *Rochester, NY*

- Dean's List — **Fall 2021 - Spring 2024**

Relevant Coursework: Data Application Development, Data Warehousing, Data Mining and Exploration, Contemporary Databases, and Information Requirements and Modelling, Data Analytics.

SKILLS

- **Programming Languages**: Python, Java, HTML5, CSS, JavaScript, SQL.
- **Software**: Git, VMWare, VS Code, Bomgar, Boomi, Azure, SQL Server, AWS.
- **Data Analytics Tools**: Pandas, NumPy, Matplotlib, Weka, Tableau, Minitab.

WORK EXPERIENCE

ESL Federal Credit Union — **December 2022 – Present**

Data Management Intern — *Rochester, NY*

- Contributed to the delivery of 14 successful releases within an Agile team, utilizing Kanban and Scrum methodologies, and leveraging effective communication for driving efficient development processes.
- Tested data models, source-to-target mappings, and databases across environments, ensuring consistency and accuracy in releases.
- Collaborated with software development team and Business System Analysts to define requirements and develop Python scripts integrated into AppWorx, streamlining subsidiary operations.

Rochester Institute of Technology — **August 2021 – December 2022**

Course Assistant — *Rochester, NY*

- Assisted 35 students per course in entry-level programming courses for Python, Java, and SQL at RIT, providing help with homework, in-class material, and test preparations.
- Provided individualized tutoring, and delivered feedback on assignments and assessments to help students succeed resulting in an average increase of 10% in test scores.
- Received positive feedback from both the professor and students for providing effective assistance.

ESL Federal Credit Union — **May 2022 – August 2022**

Systems Support Intern — *Rochester, NY*

- Provided technical support for 23 branches and headquarters by resolving software and hardware issues through ticket management. This helped me strengthen my technology knowledge and troubleshooting abilities.
- Successfully configured over 100 laptops and computers, updated and re-deployed TMagic Scanners, and fingerprint readers to meet with ESL's Security Standards.
- Coordinated branch maintenance with the PC Technicians and successfully upgraded equipment for 9 branches.

PROJECTS

Spotify Data Mining Project, Team Size: 3 — **Fall 2023**

- Developed a comprehensive dataset of Spotify's top music records using Spotipy API, capturing detailed music attributes such as tempo, key, genre, and popularity metrics.
- Preprocessed the dataset by discretizing release years into decades to identify trends and removing songs with missing data to ensure data integrity.
- Utilized Weka to run supervised and unsupervised algorithms, including clustering, nearest neighbor, and naïve Bayes. Analysis revealed that classification accuracy was low, indicating minimal changes in music over time.

Ballot Voting Application, Team Size: 3 — **Fall 2023**

- Created a web application with a multi-layered architecture: MySQL for the data layer, Python for the business layer, Node.JS for the service layer, ReactJS for the user interface, and version-controlled using GitHub.
- Implemented admin functionality to create and edit ballots, initiatives, candidates, and voter information.
- Integrated reporting features for query and HTTP response times, as well as election results for analytics.