Sohaib Ahmed Syed

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Education

Illinois Institute of Technology   Chicago, IL
Bachelor of Science in Computer Science   Expected: May 2023
GPA: 3.85   Dean's List: Fall 2019, Fall 2020, Spring 2021
Relevant Coursework:

- ❖ Data Mining, Database Organization, Data Structures and Algorithms, Operating Systems, Linear Algebra

Projects

Employee Database   Java, SQL, DBeaver, PostgreSQL, Eclipse   Illinois Institute of Technology

- Programmed an application that communicated with a PostgreSQL database that kept and updated employee information
- Implemented a SQL script that created the database used to store employee data
- Configured the database to allow certain privileges based on the application user
- Managed a team by organizing meetings and delegating tasks

Hotel Cancellation Decision Tree   R, RStudio   Illinois Institute of Technology

- Created a decision tree model to predict whether a hotel booking would be cancelled given a CSV file of relevant data
- Constructed confusion matrices to obtain statistical data about the model using R libraries
- Applied pruning techniques to the model in order to create a more accurate model
- Analyzed the trade off between sensitivity and specificity by plotting ROC curve

Xv6 Operating System   C, Visual Studio Code, Docker, Vagrant   Illinois Institute of Technology

- Modified the operating system to achieve certain functionalities
- Implemented system calls and user libraries
- Updated the scheduler to use lottery scheduling
- Refined the virtual memory to allow protection and null pointer dereferencing exceptions

Work Experience

Walgreens, Customer Service Associate   Dec 2019-Aug 2021

- Provided exceptional customer service to 100+ customers a day
- Organized and communicated tasks with team members to efficiently deliver customer service
- Contributed to the 9% increase of store NPS
- Solved problems for customers by methodically listening and identifying solutions that fit their needs

Skills

Programming Languages: Python3, Java, SQL, C, R, Haskell, Bash
Tools: Visual Studio Code, Eclipse, DBeaver, RStudio, PostgreSQL, Docker, Vagrant, Virtual Box, GitHub, GitLab
Languages: English (Fluent), Urdu (Fluent), Spanish (Conversational)

Extracurricular

Muslim Student Association, Association for Computing Machinery at IIT, Voluntteer at Sacred Learning Center