Arham Ahmer

3rd Year Computer Science Student
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Career Goal

As a final year computer science student specialising in data science, I possess strong analytical, problem-solving, and communication skills. With experience in Python and R in areas such as data manipulation, statistical modeling, and machine learning, I am well-equipped to apply my knowledge to real-world problems. I have acquired this knowledge by completing coursework and projects such as using machine learning to predict song genres from Spotify. I am eager to develop and contribute my skills to a challenging graduate program.

Education

The University of Adelaide — Adelaide, Australia

Bachelor of Computer Science — March 2021 - November 2023 (Expected)

GPA : 6.375/7

- Relevant Coursework: Statistical Data Analysis, Machine Learning, Algorithm Design and Data Structures

Work Experience

Store Team Member (Customer Service, Front End) at Woolworths Supermarkets — Aberfoyle Park, SA

March 2022 - Present

- Sucessfully managed operations, customer service and inventory, ensuring seamless and efficient processes.
- Oversaw and managed orders with utmost attention to detail, while also maintaining the facility, managing cash, and responding to customer inquiries and issues.
- Collaborated effectively with team members in a fast-paced environment, fostering a culture of teamwork and cooperation.

Skills

- Python - Proficient
- R - Proficient
- MATLAB - Proficient
- C++/C - Proficient
- SQL/MySQL - Intermediate
- HTML/CSS/Javascript - Intermediate
- Attention to detail
- Strong interpersonal skills

Projects

Used Machine Learning to Predict Song Genres from Spotify (completed in R)

- Employed machine learning techniques to predict song genres by first cleaning and preprocessing data collected from an extensive Spotify database.
- Evaluated the performance of several different machine learning algorithms, including K-Nearest Neighbour, Random Forest and Linear Discrimant Analysis models, and compared their results to determine the most effective one.
- Implemented the chosen model to predict the genre of a song, assessing its performance and accuracy.

Developed a Social Event Planner Web Application (used Javascript/HTML/CSS,SQL)

- Collaborated with a team of three to design and develop a Social Event Planner Web Application.
- Developed a fully functioning website that adhered to established standards, using HTML and CSS for the frontend design and JavaScript for client-side web content.
- Designed and implemented a SQL database to store user information.
- Employed AJAX to handle server calls and responses, further enhancing website's responsiveness and user-friendliness.

References

Matthew Ryan - Lecturer at the University of Adelaide

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