

Amisha Bavineni

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PROFESSIONAL PROFILE

A sophomore undergraduate Computer Science student based in Edmonton who aims to deepen understanding in various areas of technology and product development.

EDUCATION AND TRAINING

High School Diploma,

Asian International Private School, Ruwais, Abu Dhabi

2016 – 2020

BSc in Computer Science,

University of Alberta, Edmonton, Alberta

2020 – present

Courses: Data structures, Algorithm Design and Analysis, Python OOP, C Program Design, Discrete Mathematics, Computer Organization and Architecture.

PROJECTS

Diabetes Prediction WebApp - [GitHub](#)

- Developed a web application to detect whether a person has diabetes using Machine Learning and Python.
- Aimed to familiarize myself with Machine Learning and data classification algorithms.
- Preprocessed large amounts of data and built decision trees on different sample to take majority vote for the classification of the disease.
- Trained a model set with the *Random Forest* bagging algorithm which achieved an accuracy score of 78.7%.

Automated Spotify Lyrics - [GitHub](#)

- Made a program using Python that displays the song lyrics automatically on terminal as the song plays in Spotify and it continues to do so as the playlist moves to another song.
- Retrieved data using Spotify API, Spotipy API and Genius Lyrics API.
- Revised it to add updates such that user can browse artist information or visit the official Genius Lyrics page simultaneously.

File Organizer - [GitHub](#)

- Created an organizer that arranges several files in a specified directory into separate folders based on the type of the file.
- Implemented using PySimpleGUI in Python.

QR Code Generator App - [GitHub](#)

- Built a simple web application which lets user enter any message or website address to provide them with its corresponding QR code.
- Aimed to familiarize myself with using JavaScript, HTML and CSS.

EXTRACURRICULAR ACTIVITIES

Asian International Private School Student Council, Class Representative

2019 - 2020

University of Alberta International Society of Automation, Member

2020 – present

SKILLS

Programming: Python, C, C++, JavaScript, SQL

Other: ReactJS, HTML, CSS

Trilingual: Advanced English, Native Telugu, Proficient Hindi.