SARTHAK NEGI

210-935-6275 | srnegi141@gmail.com | LinkedIn | GitHub | Portfolio

EDUCATION

The University of Texas at San Antonio   Aug. 2021 – May 2025
Bachelor of Science in Computer Science (conc. in Data Science)   *GPA: 3.80 (Major: 3.91)*

- Distinguished Presidential Scholarship recipient for outstanding academic achievements
- Recognized for exceptional performance with 1 President's List and 2 Honor Roll certificates
- Completed a comprehensive coursework lineup including Data Structures, Programming I and II, Systems Programming, Analysis of Algorithms, and Application Programming, providing a solid foundation in relevant subjects

TECHNICAL SKILLS

Languages: Python, Java, C, SQL (Postgres, MySQL, Microsoft SQL), JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask, FastAPI
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: Pandas, NumPy, Matplotlib, PyTorch, TensorFlow, Beautifulsoup

EXPERIENCE

Undergraduate Research Assistant   March 2023 – Present
The Data Analytics Center, UTSA   *San Antonio, TX*

- Engineering machine learning models using PyTorch to complete unsupervised and supervised tasks
- Consistently developing proficient scripts for diverse data collection tasks, resulting in 8 meticulously crafted solutions that efficiently gather data from multiple endpoints and seamlessly store it in an SQL database
- Working in a team of 6 to build a salable data intensive web application managed on Github

Computer Science Tutor   Jan. 2023 – May 2023
The University of Texas at San Antonio   *San Antonio, TX*

- Provided one-on-one tutoring sessions to computer science students, offering guidance and support in various topics including programming languages (such as Python and Java), data structures, algorithms, and software development
- Mentored and guided students in completing programming assignments and projects, providing guidance on coding best practices, debugging techniques, and problem-solving strategies

Mentor   Nov. 2022
CodeQuantum Hack   *San Antonio, TX*

- Mentored participants during CodeQuantum Hack, offering expertise in Flask, Python, Java, JavaScript, and HTML. Provided comprehensive guidance and support for a successful event
- Played a vital role in fostering a collaborative and inclusive hackathon environment, contributing to the overall success of the event

Database Developer   Summer 2020
Assav Organics   *Dehradun, India*

- Proficiently crafted SQL queries to seamlessly migrate product and user data to an SQL database, ensuring data integrity and smooth transition
- Collaborated with the finance department, providing valuable assistance in maintaining accurate and streamlined records of revenue and tax filings
- Leveraged SQL expertise to optimize data management processes, enhancing efficiency and enabling reliable financial tracking and reporting

PROJECTS

Commentalyzer | *Python, Youtube API, OpenAI API*   April 2023 - Present

- Created a Python script that utilizes the YouTube API to retrieve comments from provided video links and performs sentiment analysis using the OpenAI API
- Aims to assist content creators in optimizing content strategy and increasing monetization by providing valuable insights into audience preferences
- Streamlined the process of sentiment analysis on YouTube video comments, enabling data-driven decision making for content creation and audience engagement

Workout Tracker | *JavaScript, HTML/CSS, Git*   May 2022

- Developed a web application facilitating the recording of daily cycling and running activities, visualized through map plotting
- Implemented Geolocation API to accurately determine and track the user's location, employing the Leaflet library and OpenStreetMap API to render interactive maps
- Successfully deployed the web app on Google Firebase, leveraging HTML, CSS, JavaScript, Geolocation API, Leaflet, and Firebase technologies