SARTHAK NEGI

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EDUCATION

The University of Texas at San Antonio

Bachelor of Science in Computer Science (conc. in Data Science)

- 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, SOL (Postgres, MySOL, Microsoft SOL), 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

The Data Analytics Center, UTSA

March 2023 – Present

Aug. 2021 - May 2025

GPA: 3.80 (Major: 3.91)

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

San Antonio, TX

The University of Texas at San Antonio

- 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, JavaScript, HTML/CSS

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

File I/O System | C, Linux, Bash Scripting

April 2023

- · Developed a file I/O system utilizing bash scripting and C, enabling efficient CRUD operations
- Implemented data conversion functionalities, seamlessly transitioning text data to binary for storage and vice versa for user presentation