

# SARTHAK NEGI

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## 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
- Relevant coursework - Data Structures, Programming I and II, Systems Programming, Analysis of Algorithms, and Application Programming

## 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

- Engineered PyTorch ML models for unsupervised and supervised tasks
- Developed 8 efficient data parsing and tokenization scripts for 10 endpoints, storing data in an SQL database
- Utilized the Requests and BeautifulSoup libraries to craft streamlined web-scraping programs for gathering SEC, movie, music, and game data efficiently
- Collaborating on a scalable web app project with a 6-member team on Github

### Computer Science Tutor

Jan. 2023 – May 2023

*The University of Texas at San Antonio*

San Antonio, TX

- Conducted personalized CS tutoring for Data Structures, algorithms, and software development using in Python, Java and C
- Mentored students in programming assignments, offering guidance on best practices and debugging techniques
- Provided problem-solving strategies and support to computer science students

### Mentor

Nov. 2022

*CodeQuantum Hack*

San Antonio, TX

- Provided expert mentoring in Flask, Python, Java, JavaScript, and HTML during CodeQuantum Hack
- Offered comprehensive guidance, contributing to the event's success
- Fostering collaboration and inclusivity to enhance the hackathon environment

### Database Developer

Summer 2020

*Assav Organics*

Dehradun, India

- Skillfully crafted SQL queries for smooth migration of product and user data to an SQL database
- Assisted finance department in maintaining accurate revenue and tax records
- Utilized SQL expertise to optimize data management, enhancing efficiency
- Enabled reliable financial tracking and reporting with improved processes

## PROJECTS

### Commentalyzer | Python, Youtube API, OpenAI API, JavaScript, HTML/CSS

April 2023 - Present

- Developed a Python script using YouTube API to fetch comments and perform sentiment analysis with OpenAI API on provided video links
- Aids content creators with data-driven insights to optimize content strategy and boost monetization
- Streamlined sentiment analysis on YouTube video comments for informed content creation
- Enhances audience engagement through data-backed decision making

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

April 2023

- Created a bash and C-based file I/O system for efficient CRUD operations
- Implemented data conversion for seamless transition between text and binary formats
- Enables efficient file handling and versatile data storage and presentation

### BeRowdy | Java, Android Studio, Google Firebase

May 2023

- Developed "BeRowdy" app for UTSA students, enabling account creation, campus connections, and photo sharing
- Integrated Firebase for backend and user authentication, ensuring seamless functionality