

Name: Sid

DOB: March 1st, 2000

Location of Birth: Hyderabad, India

Current Location: Boulder, Colorado, USA

History:

- Sid has a beautiful family of 4, including himself. Mother's name: Veronica, Father's name: Alex, Brother's name: Rich
- Sid has a younger brother who is 2 years younger to him.
- Did his initial schooling in Sarathi School, Hyderabad, India -- LKG - 1st class.
- Later, he joined DPS till 8th grade. Sid was good in music, and sports as it was natural to him.
- He had natural talent in sports, music, creativity, and critical thinking.
- Sid was a national level skater and a state silver medalist in Inline Speed Roller skating. Sid also plays roller hockey and represented DPS In interstate tournament and won a silver medal as well.
- Due to extensive participation in sports, he fell behind in academics. Though he was talented in studies with high cognitive capacity, he never tried to see and believe that.
- Sid's parents decided to change his school in order to get him aligned to academics and shifted to Sri Chaitanya that is near his house.
- Sid took this as a challenge and proved everyone wrong. He secured one of the highest grades in the class with minimum effort.
- Sid also excelled in sports which made him popular in school.
- Sid also played keyboard for the school since the school didn't have any official band but the band created by us the students.
- Sid cleared the Trinity College of London exam -- Initial grade with ease at a young age.
- After graduating from class 10th, he decided to get into the stream of IIT. It was nice of sid to realize that IIT was not his cup of tea and didn't really find any interest in involving himself in the competition. Class 11th and 12th, also known as intermediate studies in India, went well because he got to meet his old DPS friends again.
- He got into BVRIT - Narsapur campus in Electronics and Communication Engineering.
- The college was amazing. He really liked it. He made a lot of friends from different branches/departments.
- Sid has a bubbly, golden retriever personality that makes him attractive and famous.

Undergraduate life:

- Sid had become serious in academics and took it very personally.
- He had a course - Programming in C, and Data structures and algorithms in C in his first semester which made him curious in programming.
- He was good in sports, football, where he made a lot of new friends and that's how his boy group has formed.

- Sid broke his ankle - Major ligament tear, in his 2nd year of bachelors and skipped college for almost 2 months. He still scored good than most of the people in his class.
- Sid participated in many tech events representing his special lab which is embedded systems design lab.
- There's this one competition that happens every year named - Texas Instruments. In 19 years of college history, no team has proceeded to semi finals. My team, which I mentored and looked after, has been to the final round securing a top 60 position in India - for the first time in 19 years of BVRIT history.
- This was a proud moment for Sid and his team.
- Lockdown happened and college closed. Since there were no classes, the college decided to use zoom as a platform to host meetings and classes.
- Because everything was digital and computerized, Sid got into gaming.
- Sid made a lot of friends online just by gaming together.
- Sid plays Valorant and Apex Legends and because of this, Sid had great memories during the lockdown.
- It was perfect life for Sid.
- He not only gamed for hours but also spent significant time studying and learning new skills. This was when he decided to venture out in computer science and found data science to have potential.
- Usually the company Volvo comes every year and hires 4 students from the embedded systems lab but due to COVID, lockdown the company decided to back off. This made him think if electronics was the right field for him. This was the primary reason for him to shift to data science.
- Sid got an internship at a startup as a Python machine learning intern at BrilleTech solutions and found his interest in the realm of data.
- His internship lasted for 3 months and then immediately joined Cognizant as a data engineer.
- He learnt essential skills like SQL, PySpark, data warehousing and Python as essential technologies for the role.
- He aced all the training exams and was one of the 4 students to get a project.
- Sid was given KT and started working immediately.
- Since it was his first time in corporate world, he was nervous but got used to the grind.
- Sid is someone who works smart and not hard. He used to finish tasks before so that he can upskill and take up more work to ease up his schedule for the week.
- Sid was responsible for collecting data from various different sources. Mainly the steps of ETL - Extract Load Transform.
- Sid's work mainly dealt with SQL querying. The data gathering was listed as a job that is supposed to run frequently. This was automated and designed by Sid.
- So for an instance, specific jobs are supposed to run everyday to refresh the tables and append new client values. Few tables run every alternate day, few run once a week, month, year, and only on the weekends.

- This was all set by Sid using a scheduling tool which is the key task in the project. Setting up dependencies between each job, scheduling them on their respective day was something that was the base of the project.
- Sid later took care of a task on his own which was to compute annual tax request for the client. The task was soo huge that the data itself takes about 9 days to load into the local cloud and a week to compute the queries. The client was really amazed by the work done by Sid and wanted to hand over many more projects.
- Sid decided to leave Cognizant for Higher studies at the university of Colorado Boulder. Master's in data science in the year 2022.
- It was his first time leaving home and going out. He was nervous and excited at the same time.
- Sid found it a little challenging at the start since it was his first time handling everything on his own. This was a fruitful experience for sid and learnt a lot.
- Sid started to manage his own time and expenses as a responsible adult.
- Sid worked at dining the first 2 sem. Later during the summer, he got a role as a tutor at the Leeds School of Business as a python - data science advisor/tutor and mentor.
- Courses that sid enrolled: Data Mining, Data Structures and Algorithms, Statistics, Regression Analysis, Data Center Scale computing - Data Engineering, Machine Learning, Capstone, Applied Machine Learning, Computer Vision.
- The 2nd year of his masters, which is the 3rd semester, he got a TA for the Course Data Mining and handled a class of over 120 students. Getting a TA in the university is a big thing for Masters students.
- The TAship gave Sid a lot of experience in dealing with stidents and faculty. He was able to manage time and students which improved his customer handling skills.
- The next semester, Sid was a TA for 3 courses: Machine Learning, Digital Advertising - Python, and Project Management, and also a lead tutor at the business school.
- This gave immense experience again and exposure to many other students in the class. Sid was very happy and proud for his achievement and earned a lot of respect from other students and professors.
- Sid had to graduate at May 2024 but due to the market, he decided to extend his program to another semester to make up his mind and have time to decide.
- Summer 2024 will be the first summer for him in the USA. During summers, international students can work upto 40 hours.
- Sid got a part time job as a teaching assistant for k-12 students at camp school and also a high paying job (part time) as a course facilitator for Data Structures and Algorithms.

Resume:

SIDDHARTH TAYI

siddharth.tayi@colorado.edu | +1 720-710-7440 | www.linkedin.com/in/siddharth-tayi

EDUCATION

University of Colorado Boulder
Master of Sciences in Data Science
GPA: 3.9

SKILLS

Programming Skills: Python, SQL.

Technical Skills: Pandas, SQL, TensorFlow, SciKit-Learn, Keras, BeautifulSoup, Machine Learning, Regression, Clustering, CNN, Computer Vision, Seaborn, Matplotlib, plotly, github, Cleaning, LLMs, Chatbots, Llama, Langchain, Analysis, Chainlit.

Tools: SAP, Microsoft Excel, Tableau, Microsoft PowerBI, Tableau

Relevant Courses: Data Mining, Machine Learning, Deep Learning, Data Structures and Algorithms, Statistics, Regression Analysis, Data Center Scale Computing - Data Engineering

EXPERIENCE

Data Engineer 09/21–08/22 Cognizant Hyderabad, India

- Orchestrated the development of information gathering and processing software using SAP, BODS, and Oracle, delivering data driven solutions boosting client business value by 79%.
- Automated scripts with shell scripting and Control M, optimizing processing for approximately 1564 jobs, and reducing processing time by 50%.
- Executed queries within MS SQL Server and SAP, refining ETL processes and streamlining master tables. Restructured architecture, leading to a significant 33% boost in speed.

Python Machine Learning Intern 05/21–08/21

Brillect Tech Solutions Hyderabad, India

- Detailed in-depth Exploratory Data Analysis, crafting advanced models for classification with remarkable scores ranging from 74% to 90%.
- Engineered LSTM models for precise sentiment analysis, reducing stock forecast variance by 2.3% and augmenting decision making by 15%, thereby fortifying financial strategy reliability.
- Showcased proficiency in Python, SciKit-Learn, TensorFlow, and various visualization libraries, nailed an impressive average accuracy of 87% across multiple projects.

PROJECTS SID-GPT:

- Engineered a personal chatbot utilizing a diverse dataset of over 10,000 conversational lines, ensuring engaging user interactions with precision and fluency.
- Leveraged the Langchain framework and pretrained models, including the LLM Llama model from the Hugging Face repository, to enhance natural language understanding and responsiveness.

Driver Profiling - Honda 99P Labs:

- Initiated and analyzed over 100,000 trips and 20,000 hours of vehicle information, achieving a 15% reduction in sudden accelerations and a 10% decrease in abrupt lane changes, improving road safety by 20%.

- Orchestrated collaboration between The Ohio State University and Honda Research Institute to develop a scoring system that enhanced safe driving practices by 25%

YouTube Analysis

- Extracted comprehensive Channel and Video via the GCP-YouTube API, amassing a vast set of 343,000 records encompassing various metrics such as views, likes, comments, and engagement rates.

- Examined from 2009 to 2022 to understand viewer behavior, content trends, and channel performance. This informed decision-making, optimized content strategy, and drove significant growth in audience engagement and subscriber base.

Spotify Analysis

- Leveraged Spotify API to gather comprehensive song data, storing it on AWS for regular updates. Employing BOTO3, orchestrated extraction and loading into S3, facilitating seamless loading with Airflow that updates list every day.

- Conducted comprehensive analysis on different factors influencing a song comprising 70-100 records, distilling valuable insights, and identifying significant trends such as bpm, tempo, loudness, etc.

Medify

- Analyzed heart attack and diabetes with the Scikit-learn package, achieving up to 85% accuracy through thorough exploration and advanced classification algorithms.

- o Designed and implemented a user-friendly interface (UI) leveraging the Streamlit framework, enhancing user experience and accessibility by 90%, thereby facilitating seamless input and interaction for users.

LEADERSHIP RESPONSIBILITIES

- Currently representing University of Colorado Boulder as a Teaching Assistant for courses: Machine Learning, and Digital Advertising of classes over 50 students.

- Engaged lead tutor at Leeds School of Business, specializing in R, Python, Analysis, and Statistics.

08/22–12/24