

EDUCATION

University of Texas at Austin

Bachelor of Computer Science

Graduating: 2027

Relevant Coursework: Data Structures, Discrete Math, Multivariable calculus, Differential Equations

Plano West Senior High School

GPA: 4.65/5; Class Rank: 32/1303

Relevant Coursework: Computer Science Principles, Computer Science A, Calculus BC, Multivariable Calculus

EXPERIENCE

Efficienergi Consulting

Mumbai, India

Summer Intern

2023.06-2023.09

- Developed an AI program to consume and process the Company's training manuals, and respond to employee queries after finding the correct response
- Implemented **Python**, **HTML/CSS**, and **Machine Learning** Algorithms to complete this design
- Delivered a final presentation to my employers and coworkers detailing the functionality of my program

University of Texas at Dallas

Richardson, Texas

Summer Internship

2023.06-2023.08

- Under the guidance of Professor John Cole, I developed several productivity enhancing apps in Android Studio.
- Created a task manager app using data structures like linked lists to manage a variety of different apps dynamically.
- Programmed primarily in **java** and **python**
- I advanced my knowledge in data structures and algorithms

Suits

Austin, Texas

Technical Intern

2024.08-Present

- Developed and designed the User Interface in **React Native**
- Developed a **RAG algorithm** leveraging **OpenAI's GPT models** for enhanced contextual data retrieval
- Migrated existing manual data entry workflows to a fully integrated **Firestore Cloud Firestore** solution, implementing structured data models, real-time synchronization, and indexed queries for efficient, scalable information management.

Association for Young Scientists and Innovators

Dallas, Texas

Website Developer

2023.02-Present

- Developed a website for an organization that aims at promoting science based education
- Further I took upon the opportunity to mentor 45+ students, primarily on **java**

PROJECTS

- AI ChatBot:** Developed an innovative offline AI program to effectively process the company's extensive training manuals and provide accurate responses to employee queries. Key features:
 - Utilized **Langchain** to split and process documents.
 - Generated vector embeddings with **HuggingFace**.
 - Implemented **FAISS** for efficient similarity searches.
 - Integrated **GPT4All** for local question-answering.

GitHub: <https://github.com/SaahilM06/GPT4All>

- Garden Guide:** Developed GardenGuide, an Android app designed to simplify gardening tasks.
 - Gathered real-time weather data and soil information using **APIs** like **OpenWeatherMap**.
 - Promoted sustainability by integrating **Python** and **HTML**.
- Association for Young Scientists and Innovators Website:** Developed a clean and efficient website using **HTML** to promote science-based education. Key features:
 - Designed a well-organized layout for easy navigation.
 - Used **CSS** for visually appealing styling.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Boy Scouts of America

Dallas, Texas

Eagle Scout

2017.04-Present

- Attended 50+ camp outs, served 5 leadership roles, and completed 30 different merit badges
- Senior Patrol Leader- Under this role I was responsible for the safety of 90+ scouts. Had to organize camp activities, locations, and dates
- Order of the Arrow Honor Society- Prestigious Honor Society under the overall organization of Boy Scouts as a whole. Only those scouts to live up to the highest of their merit everyday are selected for this honor society

SKILLS

Languages and Technical Skills

Java-Proficient, HTML, JavaScript, Python, React Native, Microsoft Office, Mathematics