# Ansh Anand

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## EDUCATION

**The University of Texas at Dallas**                                          GPA: 3.91
*Bachelor of Science in Computer Science*                          *Aug. 2023 – May 2027*

## TECHNICAL SKILLS

**Languages**: Python, C++, Java, JavaScript, Lua
**Frameworks**: Flask, Streamlit, Next.js, Docker
**Developer Tools**: Git, VS Code, Arduino IDE, Prisma, SQLite
**Libraries**: Whisper, BeautifulSoup, Selenium, OpenCV, React, Chart.js

## EXPERIENCE

**Full Stack Developer Intern**                                          Jan. 2024 – May 2024
*EPICS at the University of Texas at Dallas*

- Led a team of engineering interns to drive sustainable tech solutions, reducing plastic waste across campus and contributing to UTD's environmental conservation efforts
- Developed a real-time IoT system using WiFi capable Arduinos to track and centralize sustainability data from water stations, leveraging Next.js, SQLite, and Prisma for seamless live updates
- Designed and deployed an admin panel to manage water station integration and system scalability, optimizing resource use and tracking campus-wide impact with over **99% accuracy**

**Artificial Intelligence and Systems Lead**                          Nov. 2023 – Jan. 2024
*TutorAI Project Leader*

- Led full-stack development using Python, HTML, and CSS, integrating an advanced AI model via API to enhance lecture comprehension, **reducing response times by 30%**
- Engineered the backend pipeline leveraging Whisper AI to transcribe and preprocess lecture data, integrating it into a custom-trained chatbot for dynamic Q&A functionality
- Spearheaded the design of scalable architecture, optimizing data flow and reducing latency, enabling efficient AI model integration and boosting system accuracy in user query resolution

**Game Developer**                                                        Oct. 2022 – Jul. 2023
*Roblox*

- Developed a Roblox Tycoon game using Lua, achieving **116,000 plays** in 5 months by optimizing game mechanics and implementing advanced data-driven algorithms
- Worked closely with a team of developers to design modular game systems, enhancing player engagement and overall gameplay experience
- Integrated analytics to track real-time player behavior, enabling dynamic content updates that boosted game performance and contributed to its peak popularity

## PROJECTS

**DineDeals** | *Python, JavaScript, Flask, BeautifulSoup, Praw, MySQL*                          Jan. 2025

- Developed a real-time data scraping tool using BeautifulSoup and Praw to extract and dining codes from forums
- Implemented an algorithm for finding codes, optimizing identification with real-time code updates
- Deployed DineDeals on Amazon EC2 ensuring scalability and performance.

**Personalized Study Timer** | *JavaScript, Python, Flask, SQLite, Chart.js*                          Dec. 2023

- Engineered a study timer app using Flask and SQLite for real-time tracking and efficient back-end processing
- Developed an algorithm to collect productivity data via user input, analyzing session duration and focus levels
- Integrated Chart.js to visualize productivity insights, ensuring scalability and seamless user experience.

## CERTIFICATIONS/AWARDS

**Member of The National Society of Collegiate Scholars**

**Dean's List, University of Texas at Dallas (2023 - 2024)**