Ansh Anand

Dallas, TX | (346)715-7800 | anshanand067@gmail.com | in/ansh-anand-170bb2244

EDUCATION

The University of Texas at Dallas   Expected Graduation: May 2027
Bachelor of Science in Computer Science   *GPA: 3.81/4.00*

WORK EXPERIENCE

Unlockdown Browser   April 2025 – Current
Sole Developer

- **Reverse engineered** Lockdown Browser to uncover bypass methods which now supports a **500+** member educational community.
- Developed the MacOS frontend in **Swift**, with a local backend layer for **OpenAI API** integration.
- Created RESTful APIs in the backend with **Spring Boot**, integrating **JWT Authentication**, and **PostgreSQL** deployed via **Docker**, **Nginx**, and **Gunicorn** on **AWS (Amazon EC2)**.

UTDesign EPICS   Jan. 2024 – May 2024
Fullstack Engineer Intern

- Demonstrated **leadership** skills by leading a **multidisciplinary team** to bring awareness to environmental conservation efforts.
- Developed a prototype IoT system using **Arduinos** to track the number of water bottles saved across campus in real time, implementing **Next.js**, **React**, **SQLite**, and **Prisma** to track the total number of waterbottles saved across campus in real time.
- Designed and deployed an admin panel to manage water stations and scalability, optimizing tracking campus-wide impact with over **99% accuracy**.

Game Developer   Oct. 2022 – Jul. 2023
Roblox

- Created a Roblox game using **Lua**, achieving **110,000+ plays** by implementing **scalable** game logic.
- Worked with a **cross-functional team** of developers to design **complex algorithms**, enhancing player engagement and overall gameplay experience.
- Built and deployed dynamic content updates that boosted game performance and contributed to its peak popularity.

PROJECTS

Spoons | *Java, OOP Principles, Mulitthreading, Concurrency, JavaFX*   May 2025 - Current
- Designed the card game *Spoons* in **Java**, leveraging **multithreading** and **concurrency**.
- Applied core **OOP paradigms** such as **inheritance**, **abstraction**, and **polymorphism** to create a scalable and extensible game architecture.
- Actively developing the UI for the game in JavaFX.

DineDeals | *React, Flask, Git, BeautifulSoup, Praw, MySQL*   Jan. 2025
- Developed a real-time data **scraping** tool using **BeautifulSoup** and **Praw** to extract text from forums.
- Implemented **Advanced Data Structures and Algorithms** to efficiently find codes in scraped data.
- Deployed and displayed application on **AWS (Amazon EC2)** ensuring **scalability** and **performance**.

TECHNICAL SKILLS

Languages: Python, Java, Go, JavaScript, Lua
Frameworks: Spring Boot, Next.js, Flask
Developer Tools: React, Docker, Git, Nginx, Bs4, Praw
Databases & ORMs: PostgreSQL, MySQL, SQLite, Prisma