

Adarsh Das

Hyderabad, Telangana • adarshdas950@gmail.com • +91 85278 59660 • <https://saphereye.github.io>

Education

BITS Pilani, Hyderabad Campus

B.E. Hons, Computer Science.

Relevant Coursework: DSA, DBMS, Operating Systems, Software Engineering

Hyderabad, Telangana

2021-2025

Amity International School

10th CBSE Boards: 98.2%

12th CBSE Boards: 94.6%

SAT: 1410/1600

Noida, Uttar Pradesh

2017-2018

2019-2020

2019-2020

Experience

National Centre for Polar and Ocean Research

Software Development Intern

Goa, Goa

April 2023 – June 2023

- Employed advanced statistical techniques, including the Interquartile Range (IQR), to analyze extensive Black Carbon 6 (BC-6) data.
- Processed over 1.05 million data points from India's Arctic mission, contributing to a deeper understanding of environmental patterns.
- Introduced an interactive Heatmap visualization tool, enhancing the ability to visualize complex data trends and reducing researcher access time by 10%.
- Deployed a proposal submission portal using Django and React, streamlining the research proposal process and reducing time taken by 20%.

BITS Pilani, Hyderabad Campus

Software Developer (Teacher Assistant)

Hyderabad, Telangana

Jan 2024 – Present

- Developed a secure and user-friendly quiz app using Next.js and Supabase, resulting in an increase of the average score of students by 10% and a streamlined experience for the professors to take quizzes.
- Implemented functionality which thwarts 99% malpractice attempts such as tab changes and window changes, thereby ensuring the academic integrity of the educational setting.
- Conducted 20+ quizzes with around 1000+ students participating in each quiz, showcasing the scalability and reliability of the application even in high-stress situations.

Leadership & Activities

Crux, Programming and Computing club for BITS Hyderabad

Developer

Hyderabad, Telangana

Oct 2022 – Present

- Led a team of four to design and implemented a cutting-edge game engine utilizing OpenGL4.0 and ECS system called 'Lumos'.
- Provided mentorship to junior members, focusing on their roles' academic and developmental aspects.

Skills & Interests

Technical: Bash, Linux, Python3.10, C++20, C90, Rust1.76, Git, OpenGL4.0, Godot4, Java, Neovim

Language:

- German: B2 Proficiency
- English: Native Proficiency

Research: Geographic Object-Based Image Analysis (GEOBIA) for satellite image classification

Interests:

- CLI tools and TUI programs for personal efficiency
- Emulation of consoles (e.g. Chip-8, NES)