ADARSH DAS

Software Engineer

@ adarshdas950@gmail.com   📞 +91-8527859660   📍 Noida, India

in adarsh-das-8684ab240   ⚙ Saphereye

STRENGTHS

Python | C | C++ | Git
Godot | OpenGL | Java
Bash | Rust
Rust | Sklearn | Pandas
Gtk | Django

LANGUAGES

German: B2, Intermediate

English: C1, Advanced

Hindi: Native

COURSEWORK

- Data Structures and Algorithms
- Database Systems
- Object Oriented Programming
- Operating Systems
- Computer Architecture
- Deep Learning
- Machine Learning
- Artificial Intelligence
- Image Processing
- Theory of Computation
- Principles of programming language
- Discrete Structure in Computer Science
- Logic in Computer Science
- Digital Design
- Computer Programming
- Probability and Statistics
- Linear Algebra
- Differential Calculus
- Principles of Management
- Technical Report Writing

PROJECTS

BC6 data analysis and research proposal submission portal | ⚙

Collaborated with NCPOR, Goa, India, to develop a Python program automating data cleaning using IQR. It also included data visualization for enhanced analysis, showcasing my data processing and website integration skills.
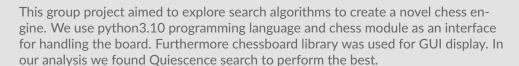
Malaria cell classification using Vision Transformer

The project utilized vision transformer trained on various processed images of the training data such as green channel, green channle canny filtered and klahe filter. The individual models where then combined using a ensemble methods. The validation set gave 99.7% accuracy and the testing accuracy was 94%

Pneumonia diagnosis using chest X-ray images

The project leveraged vision transformers architecture for pneumonia diagnosis. The project also included implementing methods for improving upon the research paper on which it was implemented

Implementation and comparison of chess AI | ⚙

This group project aimed to explore search algorithms to create a novel chess engine. We use python3.10 programming language and chess module as an interface for handling the board. Furthermore chessboard library was used for GUI display. In our analysis we found Quiescence search to perform the best.

One touch emergency services app | ⚙

Our app, developed for the HERE Technologies Hackathon, secured a top 10 spot. Utilizing the Kivy framework, it streamlines finding nearby emergency services with a single tap and employs text-to-speech for user-friendly and efficient location information.

EDUCATION

B.E. Hons in Computer Science | Birla Institute of Technology & Science, Pilani, Hyderabad Campus

📅 2021 – 2025   📍 Hyderabad, India
- CG: 7.75

Higher Education (CBSE) | Amity International School

📅 2006 – 2020   📍 Delhi, India
- 10th grade Percentage: 98.2
- 12th grade Percentage: 94.6