

**ADARSH DAS**Course : **B.E. (Hons.)**, Computer Science, 2025

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CGPA : 7.6

**SUMMER INTERNSHIP / WORK EXPERIENCE****Web Developer, National Centre for Polar and Ocean Research****May 2023 - Present**

Engaged in a dynamic combined internship opportunity with the National Centre for Polar and Ocean Research (NCPOR), where I undertook two significant projects. Firstly, I developed a proposal submission website to streamline the proposal submission and review process for researchers and scientists embarking on expeditions to the Arctic, Antarctica, Himalayas, and the Southern Ocean. Secondly, I created a Python program to perform data analytics on Black Carbon 6 samples collected from the Arctic, utilizing the Interquartile Range (IQR) method. This internship experience highlights my ability to deliver web development solutions and apply data analytics techniques to advance scientific research.

**PROJECTS****Proposal Portal for NCPOR, Goa - Web development****May 2023 - Present**

Executed a comprehensive project in collaboration with the National Centre for Polar and Ocean Research (NCPOR), Goa, to streamline the proposal submission and review process for researchers and scientists undertaking expeditions to the Arctic, Antarctica, Himalayas, and the Southern Ocean. This project showcases my ability to develop efficient systems that enhance collaboration and facilitate the research proposal lifecycle, empowering scientists to focus on groundbreaking discoveries.to streamline

**Data analysis of BC6 data - Data Analytics****May 2023 - Present**

Collaborated with the National Centre for Polar and Ocean Research (NCPOR), Goa, to develop a robust Python program that automated the hourly and daily data cleaning process using the Interquartile Range (IQR) method. Additionally, the program included functionality to graph the cleaned data, providing valuable insights for analysis. This project highlights my ability to deliver efficient data processing solutions and integrate them seamlessly into existing websites.

**Comparative analysis of various machine learning models - Machine Learning****Feb 2023 - May 2023**

Engaged in an extensive project focusing on the comparison of various machine learning models. Divided into three distinct parts, the project aimed to identify the most effective models for specific tasks. Through rigorous experimentation and analysis, we evaluated the performance of different algorithms and explored their suitability for specific datasets. This project demonstrates my expertise in machine learning techniques, model evaluation, and hyperparameter optimization.

**Markdown editor made in python - App Development****Jan 2023 - Present**

Developed an intuitive and dynamic Markdown editor specifically tailored for Linux using GTK-3 framework. Designed to enhance note-making efficiency and interactivity, this project showcases my ability to create user-friendly applications that streamline the content creation process. Leveraging my passion for Linux and expertise in GTK-3, I crafted a feature-rich editor with a sleek and modern interface.

**Subjects / Electives**

Data Structures and Algorithms, Database Management Systems, Object Oriented Programming, Machine Learning, Logic in Computer Science, Discrete Structure, C Programming, Microprocessing and Interfacing, Digital Design

**Technical Proficiency**

Python3, C++ Language, C Programming, Java, SQL, Pandas, Bash, Git, Django, OpenGL, Blender, GTK, Rust, Game Design and Development

**Technical Clubs****Member - Crux-The Programming and Computing Club****Sep 2022 - Present**

I have contributed to the club by

- Mentoring juniors
- Developing novel game engine

**Member - Computer Science Association, BITS Hyderabad****Jan 2022 - Present**

I have contributed to the club by

- Developing content and publishing articles on various topics, including [Free Software Movement](#) and [History of Computer Graphics](#).
- Volunteered for talk by Richard Matthew Stallman on Free Software Movement

**LANGUAGES KNOWN**

German, English, Hindi