Aditya Kumar

EDUCATION

JIS College of Engineering   Nadia, West Bengal
GPA 8.7   *Sept 2023 – Jun 2027*

EXPERIENCE

Indian Meteorological Department   May 2025 – Present
Software Development Intern   *RMC Kolkata, Kolkata*

- **DWR Radar Data processing** gained experience in consolidating .vol files and processing useful data.
- Developed backend API for connecting with radar operations to streamline data flow across teams.
- Received positive feedback from the head Scientist for streamlining the process, reducing the data processing time by **70** %.
- Validated ease of use of weather data by providing 2D and 3D visualisations for rainfall and other weather phenomenons.

Open-feature CLI   May 2025 – Present
Open-source contributor

- Merged a PR to drastically improve error validation and visualisation of error and missing values for incorrect values in config files by developers.
- Contributor for enabling E2E testing for NodeJS generator module.

PROJECTS

OutofBound
Community Platform   *Live link*

- Developed a QnA based community collaboration tool for developers.
- Developers have used this platform to get more than **100** genuine feedback for their queries.

Snippet-Saver
VS Code extension   *Live link*

- Snippet-saver is a vscode extension tool, which relies on local storage of your device to provide create, read and delete functionality for code snippets.
- Made to keep your code from leaving your local machine and protect personal data.
- Zero external APIs or LLM integration to make code files secure and safe in localstorage.

Sankuchit
Image Optimiser   *Live link*

- The easiest way to resize and optimize your images for the web.
- Free, fast, and secure image resizing. Supports PNG and JPEG formats.
- Golang based implementation of Lanzo3 algorithm for efficient and fast optimisation.

AWARDS & PATENTS

Portable Automatic Weather Station

- Patent holder for a IoT based, and battery powered sensor fusion system to collect weather data from remote areas.

CLASSES

Courses: Data Structure and Algorithms, Operating Systems, Computer Networks, Database Management System

SKILLS & INTERESTS

Skills: Javascript, Golang, C++, Docker, AWS
Frameworks: React, NextJS, ExpressJS, Gin, Fiber