Muhammad Ahmad Amin

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Github | LeetCode   Portfolio Website

Skills

- **Programming Languages:** Java, Python, JavaScript
- **Data Science:** Python, NumPy, Pandas, Matplotlib, Seaborn
- **Frontend Development:** HTML, CSS, JavaScript, React.js
- **Backend Development:** Node.js, Express.js, Postman
- **Databases:** MySQL (Relational Database/SQL), MongoDB (noSQL), Mongoose
- **Version Control System:** Git, GitHub

Problem Solving (DSA)

Solved ~300+ Data Structures and Algorithms Problems on Leetcode

LeetCode

Projects

- **Linracy - Social Media Platform**

  Full Stack MERN Website

  Live Demo | GitHub

  - Built a responsive **full-stack** social media website where users can sign up, create profiles, upload photos, and explore other users.
  - Implemented **authentication**, profile pages and **posts systems** using React.js, Node.js, Express, and MongoDB.
  - Built a sleek, **responsive** user interface optimized for both desktop and mobile using modern frontend design practices.
  - **Deployed** frontend on Netlify and backend on Render for full production experience.

- **O3Scope (Ozone Analysis and Prediction Using Nasa Dataset)**

  Data Analysis, Visualization and Prediction

  Hex App | GitHub

  - Built an **interactive Hex app** visualizing global and city-level ozone trends (2012–2026) with risk zones.
  - Developed **linear regression predictions for 2027 ozone levels** using Hex AI-assisted analysis.
  - Processed **NASA OMPS HDF5 datasets** and created dynamic visualizations with Matplotlib & Cartopy.

Education

- BS Computer Science | National University of Sciences and Technology (2024 - 28)
- FSc | Punjab Group of Colleges (2022 - 24)