Arpit Upadhyay
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LeetCode LinkedIn GitHub

EDUCATION

- **Graphic Era Hill University, Dehradun** Expected Graduation: 2026
  Bachelor of Technology in Computer Science and Engineering
- **Lucknow Public School, Lucknow** Year: 2022 – Secondary School
- **Stella Maris School, Lucknow** Year: 2020 – High School

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, C, C++, Java, SQL.
- **Web Development:** MERN Stack (MongoDB, Express.js, ReactJS, Node.js), RESTful APIs, MySQL.
- **Machine Learning:** Supervised & Unsupervised Learning, Deep Learning, NLP, Model Optimization.
- **Android Development:** Java, XML, Kotlin (Basic), Android Studio, MVVM, Realm DB.
- **Tools Version Control:** Git, GitHub, Postman, Chrome DevTools.
- **Core CS Subjects:** DSA, OOP, DBMS, OS, Networking, Data Mining, Computer Architecture.

SOFT SKILLS

- **Problem-Solving Decision-Making:** Strong analytical skills to break down complex problems and develop effective solutions using logical and critical thinking.
- **Time Management Collaboration:** Skilled in prioritizing tasks, meeting deadlines efficiently, and working in cross-functional teams to achieve project goals.
- **Communication Leadership:** Strong verbal and written communication skills, with the ability to lead projects, delegate tasks, and motivate teams for optimal performance.

PROJECTS

- **MERN Stack E-commerce Website (React, Node.js, MongoDB, Postman)** (Dec 2023 - Jan 2024)
  - Developed a feature-rich e-commerce platform using ReactJS, NodeJS, and MongoDB, integrating Cloudinary for scalable image uploads and ensuring seamless frontend-backend communication.
  - Implemented robust security measures, including JWT-based authentication and authorization, safe-guarding user data and ensuring secure access to the platform.
  - Enhanced user engagement with automated email notifications via NodeMailer for order confirmations, password resets, and key updates, improving customer experience.
- **AI and Machine Learning Applications (Python)** (May 2024 - Jul 2024)
  - Built predictive models for fake news detection, heart disease risk analysis, Twitter sentiment analysis, and image classification using Python and various machine learning libraries.
  - Applied supervised and unsupervised learning techniques such as decision trees, random forests, SVM, and clustering to enhance the accuracy and reliability of the models.
  - Conducted thorough data analysis and feature engineering to optimize model performance and improve prediction accuracy.
- **Android Expense Manager App (Java, Android Studio)** **(**Dec 2024 - Jan 2025)
  - Developed an Android expense tracking app using MVVM (Model-View-ViewModel) architecture for improved code maintainability and testability.
  - Utilized Realm database for efficient and seamless data storage and retrieval, ensuring quick access to user expense data.
  - Implemented data visualization using MPAndroidChart to provide users with insightful graphs and charts for expense analysis, enhancing financial tracking and decision-making.

LANGUAGES

- English: Fluent in speaking, reading, and writing.