ARYAN TIWARI

Software Developer

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https://github.com/TiwariAry Raipur, Chhattisgarh

KEY ACHIEVEMENTS

600+ problems solved in leetcode
Completed 500+ LeetCode problems, building strong algorithmic and problem-solving skills

Participated in GDG on Campus Solutions
Developed a user-friendly healthcare application that enables patients to seamlessly book appointments with their preferred doctors based on availability and specialization.

SKILLS

Python, Java, MySQL, PostgreSQL, JavaScript, TypeScript, MongoDB Atlas, Express.js, ReactJS, Node.js, Next.js, Shadcn, Flask, Pandas, NumPy, WebStorm, Postman, Git & GitHub, Google Colab, Vercel, Render, Problem Solving, Critical Thinking, Time Management

COURSES

IBM - What is Data Science?
IBM - Tools for Data Science
IBM - Data Science Methodology
IBM - Python for Data Science
IBM - Python Project for Data Science
Google - The Bits and Bytes of Computer Networking

SUMMARY

I am a dedicated and passionate technology enthusiast with a solid foundation in computer science and engineering. My experience spans developing machine learning models, designing scalable systems, and building full-stack applications that enhance user experiences and solve real-world problems. I thrive in problem-solving environments and enjoy working on innovative projects that push the boundaries of technology. With a strong commitment to continuous learning and adaptability, I aim to contribute meaningfully to the ever-evolving field of software development.

EDUCATION

Higher Secondary Education
Krishna Public School Raipur — 2005 - 2022

B.Tech in Computer Science and Engineering
Vellore Institute of Technology — 2022 - Present

EXPERIENCE

Crop and Fertilizer Recommendation System
Edunet Foundation — 01/2025 - 02/2025 — Remote

Focus on bridging the academia-industry divide, enhancing student employability.

- Developed and trained machine learning models (Random Forest, SVM) to analyze soil, climate, and nutrient data, improving crop recommendation accuracy by 15%.
- Built a Flask-based REST API to enable real-time predictions for farmers, enhancing accessibility.
- Optimized the data preprocessing pipeline, reducing model training time by 30%, and collaborated on dataset analysis to improve model precision.
- Deployed a web dashboard to visualize predictions and insights, increasing farmer adoption by 20%.

PROJECTS

AI Image Generation Web Application
12/2024 - 01/2025

A full-stack web application leveraging the MERN stack and integrating the Google Imagine API to generate high-quality images from user prompts.

- Developed a clean, responsive frontend using React.js and Tailwind CSS, ensuring seamless UX across devices.
- Implemented a secure, scalable Node.js + Express backend, managing API communication, error handling, and user input validation.
- Deployed both frontend and backend services on Render, with continuous deployment via GitHub integration.
- Applied RESTful design principles and efficient state management, contributing to a 95%+ success rate for prompt-to-image requests.

Fitness Workout Planner App
02/2025 - 03/2025

A React-based fitness application that allows users to select workout plans and view curated exercise lists

- Designed a clean and intuitive user interface that allows effortless navigation without requiring sign-up or login, ensuring instant and seamless access for users, increasing the ease of navigation by 20%.
- Deployed the application on AWS Amplify, ensuring fast and scalable hosting with continuous deployment via GitHub ensuring 95% uptime.
- Focused on simplicity and user engagement by providing essential workout guidance without tracking or complex features.
- Ensured responsive design with mobile-first approach to accommodate users on various devices.