

# TUKESH KUMAR

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## EDUCATION

GL Bajaj Institute of Technology & Management

2021 – 2025

B.Tech - Computer Science Engineering Artificial Intelligence - **CGPA - 7.17**

G.Noida, Uttar Pradesh

## COURSEWORK / SKILLS

- SQL
- DSA
- C++
- AWS
- Python
- Git
- JavaScript
- TypeScript
- React

## EXPERIENCE

AI Coding Trainer

Aug 2024 – April 2025

Alignerr

Remote

- Trained and evaluated LLMs on programming tasks, debugging, and code explanation across CPP, Python, and Go programming languages.
- Created high-quality prompts, test cases, and feedback to improve model reasoning and output accuracy.
- Collaborated with AI researchers to analyze model failures and enhance dataset diversity for code generation tasks.
- Assessed AI responses using rubric-based evaluation and suggested improvements for edge cases and logic flaws.
- Worked on fine-tuning datasets to align model behavior with human-like coding intuition and error handling.

Web Developer Internship

April 2023 – Sept 2023

CodeClaude

Remote

- Gained a solid understanding of JavaScript, language features, and its advantages in development.
- Implemented clean and scalable code using HTML, CSS, and JavaScript, adhering to industry best practices and design patterns.
- Explored and implemented key architectural patterns such as API calls and learned how to effectively structure web applications.

## PROJECTS

Tracode | React, TypeScript, Node.js, MongoDB, Tailwind CSS

2024

- Developed **Tracode**, a full-stack platform that tracks coding progress, analyzes user ratings from **LeetCode**, **CodeChef**, and **Codeforces**, and monitors problem-solving streaks.
- Designed a **personalized dashboard** to visualize coding statistics, contest history, and problem-solving trends with interactive **charts and graphs**.
- Implemented **real-time contest reminders** and **daily problem notifications**, ensuring users stay updated with upcoming competitions and coding challenges.
- Integrated **MongoDB for scalable data storage** and **RESTful APIs** using **Node.js** and **Express** to manage user progress efficiently.
- Implemented an **authentication system with Clerk**, enabling secure user login and personalized experience across sessions.

Training Schedule Management System | C++, SQL

2023-24

- Designed and developed a comprehensive training schedule management system with separate faculty and admin panels.
- Implemented admin features to add, modify, and manage schedules, ensuring efficient control and updates.
- Created a faculty portal for easy access and assessment of individual schedules, enhancing organization and productivity.
- Utilized C++ and SQL to build a robust and scalable system, demonstrating expertise in OOPs and database management.

Git-Repo-Analyzer | Python, LangChain, FAISS, OpenAI API, GitHub API, Streamlit

2024

- Designed a Python-based intelligent system that identifies the most technically complex GitHub repository from a user's profile by leveraging advanced GPT-4 models and LangChain.
- Employed FAISS and OpenAI embeddings for efficient query processing and retrieval.
- Built with Streamlit for seamless interaction and data visualization.

## TECHNICAL SKILLS

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**Languages:** C++, python, JavaScript, SQL

**Technologies/Frameworks:** React

**Developer Tools:** VS Code, Cursor, Canva

## Coding Platforms

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- **Leetcode:** Solved **800+** Problems [↗](#)
- **CodeCheff:** 4-star [↗](#)
- **Codeforces:** Max Rank 2243 [↗](#)

## CERTIFICATIONS

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- Mastering Data Structure and Algorithms - Coding Ninjas [↗](#)
- Python - HackerRank [↗](#)
- AWS Cloud Architecting - AWS [↗](#)

## EXTRACURRICULAR

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- Volunteer work for local organizations
- Health and Safety training