

Akash Pratap Singh

[LinkedIn](#) | [GitHub](#) | [Leetcode](#)

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EDUCATION

Gyan Ganga College of Technology

B.Tech: Computer Science and Engineering
CGPA : 7.74

Jabalpur, M.P., India

2021 – 2025

CM Rise Govt. Model Hr Sec School

12th : Percentage : 90%

10th : Percentage : 91%

Badwara, M.P., India

2021

2019

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Database Management System
- Computer Network
- Object-Oriented Programming
- Software Engineering

SKILLS

Languages : Java, Python, HTML, JavaScript
Frameworks : Spring, Spring Boot, Hibernate, Flask
Libraries : React, React Router, Material UI, Daisy UI
Databases : MySQL, MongoDB
Tools & DevOps : VS Code, IntelliJ IDEA, Git, GitHub, Linux, Docker, Kubernetes

PROJECTS

URL Shortener

Java, Spring Boot, React, MySQL, JWT Authentication

[Source Code](#)

- Built a high-performance URL shortening platform with Spring Boot, React and MySQL, enabling seamless short link creation, management and analytics.
- Implemented real-time analytics, allowing users to track click counts with date-based filtering, improving link performance monitoring by 40%.
- Designed an interactive dashboard using Chart.js and React Query, providing visual insights into link engagement trends, increasing user retention by 30%.
- Secured the platform with JWT authentication, while optimizing database performance using Spring Data JPA and MySQL, ensuring fast query execution.

CV Lab

Python, Flask, Generative AI, React, Daisy UI

[Source Code](#)

- Developed a full-stack resume builder using React, Daisy UI, and Flask, allowing users to generate professional resumes through a responsive form-based interface.
- Implemented a LaTeX-based PDF generator with support for customizable templates, enabling users to export high-quality, structured resumes.
- Integrated an ATS Score Checker using Gemini Pro API and NLP, increasing keyword relevance by 40% and improving readability by 25% through AI-based feedback.
- Designed a form-based editor with real-time previews, improving user experience and enabling 70% faster customization and AI-driven suggestions for resume optimization.

Telegram Bot (Fit Buddy)

Python, Telegram Bot API, python-telegram-bot

[Source Code](#)

- Engineered a Telegram bot to deliver 4 advanced fitness calculators, including BMI, BMR and body fat percentage metrics, enhancing user engagement and promoting health awareness.
- Enhanced scalable command-processing workflows with asynchronous operations using Python and Telegram API, maximizing responsiveness, efficiency, and system resilience.
- Increased bot efficiency by 25% through custom algorithm integration for fitness computations, reducing reliance on external APIs and improving reliability.

CERTIFICATIONS & ACHIEVEMENTS

- [Java & AI Coding Tools](#) : Udemy
- [Java Full Stack development](#) : Wipro
- Solved 150+ challenges on LeetCode, GFG, and HackerRank focused on algorithms and data structures.