

# Raghvendra Singh

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## PROFILE

I am an aspiring Software Developer with a solid foundation in full-stack web development and data-driven application design. I have experience in developing scalable projects such as Studex and a live video streaming platform utilizing JavaScript, SQL, and MongoDB. My commitment to continuous learning and analytical problem-solving drives me to create reliable and efficient software solutions

## ACHIEVEMENTS & CERTIFICATIONS

### Winner – AKTU Tech AI Confluence Hackathon (2025)

- Achieved **3rd place among 500+ teams**, building an AI-driven solution recognized for innovation, scalability, and technical excellence (Studify).

**SQL (Intermediate)** – HackerRank

**MongoDB Essentials** – MongoDB University

**JavaScript (Advanced)** – HackerRank

**Problem Solving (Intermediate)** – HackerRank

## WORK EXPERIENCE

### Web Development Intern, CodeClause

07/2025 - 10/2025

- Developed a modern, fully responsive blog website with HTML, CSS, and advanced JavaScript.
- Engineered a Live Video Streaming Platform powered by FFmpeg.
- Focused on scalability and performance, optimizing video handling pipelines.
- Utilized HTML, CSS, JavaScript (ES6+), FFmpeg, and REST APIs.

## EDUCATION

### B.Tech in Computer Science and Engineering - 8.5/10

Axis Institute of Technology & Management (Affiliated to AKTU)

2023 - Present

## PROJECTS

### Studex – Unified Student Ecosystem Platform

10/2025 - 11/2025

- Implementing features like **profile creation**, **real-time discussions**, **study material sharing**, and **optional anonymity** to promote open participation. Developing **Studex**, a **student-first web platform** crafted to unify **learning, collaboration, mentorship, and opportunities** in one ecosystem.
- Aims to solve fragmented student experiences across multiple platforms by offering a **centralized, secure, and community-driven environment**.
- Building core modules for **project collaboration**, **mentorship matching**, **academic networking**, and **event updates** to enhance student engagement.

### Studify

05/2025 - 05/2025

- Recognized for **innovation and practical AI application in education**, winning **3rd place** among 500+ teams. Built an **intelligent study planner** that generates **personalized timetables** based on subjects, chapters, exam dates, and available study hours.
- Integrated **AI algorithms** to optimize study schedules, track daily progress, and adapt plans dynamically for maximum learning efficiency.
- Implemented **progress tracking dashboards** and **performance insights** to help students monitor productivity and stay consistent with study goals.

### Omnifood

03/2024 - 04/2024

- Built a responsive web experience using **HTML, CSS and advanced JavaScript** to deliver a 365-day **meal subscription service** with personalized plans.
- Created a workflow where users specify preferences and dietary needs, review a **weekly meal plan**, and receive meals created by local chefs and delivered according to schedule.

## SKILLS

- Programming Languages:** C, C++, Java, Python, JavaScript (ES6+), TypeScript
- Web Technologies:** HTML5, CSS3, Tailwind CSS, React.js, Node.js, FastAPI
- Databases:** MongoDB, MySQL
- DevOps & Tools:** Git, GitHub, Render, Netlify, AWS, Azure, CI/CD (GitHub Actions)
- Core Competencies:** RESTful API Design, Scalable Architecture, AI/ML Model Integration, Data Structures & Algorithms, Logical Problem Solving