

# AKSHAT CHAUHAN

Bachelor of Technology  
Computer Science and Engineering  
Bennett University, Greater Noida

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## EDUCATION

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• <b>Bennett University</b>	2024-28
<i>BTech Computer Science and Engineering</i>	CGPA: 8.59 (1st year)
• <b>Dayawati Dharmavira Public School</b>	2023-24
<i>CBSE Class 12</i>	Percentage: 85.40
• <b>Dayawati Dharmavira Public School</b>	2021-22
<i>CBSE Class 10</i>	Percentage: 96.60

## PERSONAL PROJECTS

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### Calorie.io — MERN Full-Stack Fitness Tracker

- Built a MERN-based fitness tracking platform supporting secure JWT authentication and role-based access, designed to handle **1,000+ user profiles** with persistent calorie and macro tracking
- Optimized React state management using Context API and memoization techniques, reducing unnecessary re-renders by **~25% as measured via React DevTools profiler**
- Designed and implemented **12 RESTful APIs** with Express.js and MongoDB, supporting authentication, activity logging, and analytics with structured validation and error handling
  - Deployed on Netlify and Render
  - LIVE - <https://calorieio.netlify.app/>

Tech: MongoDB, Express.js, React.js, Node.js

### Fitness Tracker Using JavaFX and My SQL (Second Semester Project)

- Designed a normalized MySQL schema handling **5+ relational entities**, optimized query execution time by **~30%** through indexing and query restructuring, and visualized calorie trends using JavaFX charts
- Implemented BMI calculator & calorie recommendation engine based on user profile inputs.
- Designed normalized MySQL schema and optimized 10+ queries for faster data retrieval.

Tech: Java, JavaFX and MySQL

### Oggy the Voice Assistant (First Semester project)

- Developed a Python-based voice assistant integrating speech recognition, text-to-speech, and external APIs; automated OS-level tasks and reduced manual interaction for common workflows

### n8n workflows and automations

#### - Gmail Auto-Reply Bot

Intelligent customer support automation that processes incoming emails, analyzes priority levels (low to high), and sends contextual coded responses using Google Gemini AI integration.

12 hrs saved/week . Smart prioritization . AI-powered responses

Tools & Integrations: Gmail API, Google Gemini, Google Sheets, LLM Chain

### - Telegram News Bot

Automated news aggregation system that fetches latest tech updates from KDnuggets and TechRadar RSS feeds, filters relevant content, and delivers curated news to Telegram channels.

Real-time updates . Curated content . 8 hrs saved/week

Tools & Integrations: RSS Feeds, KDnuggets API, TechRadar RSS, Telegram Bot

## TECHNICAL SKILLS and INTERESTS

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**Languages:** Python, Java, C++

**Developer Tools:** VSCode, IntelliJ IDEA, Git

**Frameworks:** React.js, Node.js, Express, FastAPI, NumPy, Pandas, Matplotlib, Seaborn

**Cloud/Databases:** Mysql

**Areas of Interest:** Competitive Coding, WebDev, Automation with n8n

## Achievements

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- Solved 150+ DSA problems on LeetCode (currently maintaining 50-day & 100-day streak badges).
- Completed NVIDIA's NLP & LLMs certification: embeddings, transformers, and model deployment workflow.