Address: Dehradun, Uttrakhand , India
Contact: +91 9263833367
Email: yadavabhay8227@gmail.com
GitHub: github.com/abhayyadav9
LinkedIn: linkedin.com/in/abhayyadav45
Portfolio: abhayyadav.dev

ABHAY YADAV

Objective

Energetic CSE student (B.Tech 2026) passionate about Machine Learning, Full-Stack Development, and scalable backend systems. Hands-on experience building real-world projects using MERN, Python, and AI. Currently expanding skills in ML algorithms, Docker, Spark, Postgres, and cloud deployment. Looking for an opportunity to contribute, learn, and grow in a real-world engineering team.

Education

Tulas Institute, Dehradun

B.Tech in Computer Science & Engineering (UTU Affiliated) | Expected June 2026

- CGPA: 7.1/10 | Relevant Coursework: Data Structures, Algorithms, Operating Systems, AI, DBMS
- Academic Projects:
  - Built a Python-based face detection model using OpenCV and Yolo (95% accuracy).
  - Designed a university database system with MySQL and ER diagrams.

Technical Skills

- **Languages:** Python, JavaScript, C++
- **Frontend:** React.js, Tailwind CSS, HTML, CSS
- **Backend:** Node.js, Express.js, Flask
- **Databases:** MongoDB, MySQL
- **Tools & Platforms:** Git, Docker, Render, Vercel, AWS, WebSockets, Cloudinary
- **Machine Learning**: Linear &Logistic Regression, Model Evaluation, Pandas, NumPy, Scikit-learn, Spark

Projects

RentLo – Bike Rental Platform (MERN + Payments)

- Full-stack rental platform with React, Node.js, Express, MongoDB
- Integrated Razorpay for secure UPI/card payments
- Added features: geolocation-based listings, ratings, admin dashboard, pagination & filtering
- Startup-level project used for real rental flow

AI Smart Glass (Ongoing)

- Assistive device using PiCamera + Raspberry Pi
- OCR using Tesseract, Flask API for text streaming

Real-Time Chat App (MERN + WebSockets)

- Built using WebSockets, React, Node.js, MongoDB Atlas
- Features: typing indicator, live message updates, user status

Instagram Clone (MERN)

- React + Tailwind frontend, Express backend
- JWT authentication, Cloudinary uploads, post interactions (like, comment)

Machine Learning Mini Projects

- Linear Regression: House price prediction with preprocessing
- Logistic Regression: Binary classification + confusion matrix & accuracy tuning

Certifications

- ***Advanced Python Programming*** | *ICT Academy* | *2024*
- ***Full Stack Web Development (MERN) – RCPL* |*2023***
- ***Big Data & Hadoop (Cloud) – 2025***
- ***Internship – Full Stack Development*** | *CodeSoft* | *2024*

Languages

- **English**: Fluent
- **Hindi:** Fluent