ROHIT KUMAR

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PROFESSIONAL SUMMARY

Computer Engineering graduate focused on AI/ML and full-stack development. Built projects in ML price prediction, deepfake video detection, a RAG-based YouTube video chat assistant and an ATS resume-screening platform that cut manual screening time by 40%. Skilled in Python, scikit-learn, NLP/LLMs, RAG, LangChain, FastAPI and the MERN stack, with an Oracle Agentic AI certification and strong DSA and OOP fundamentals.

TECHNICAL SKILLS

Languages:	Python, JavaScript, C++, C, SQL
AI / ML:	scikit-learn, Pandas, NumPy, NLP, LLMs, RAG, LangChain, Hugging Face, Vector Databases, Matplotlib, Seaborn, Plotly
Backend:	Node.js, Express.js, FastAPI, REST APIs, JWT Authentication, Microservices, MVC
Frontend:	React.js, HTML, CSS, Tailwind CSS, Streamlit
Databases:	MongoDB, Mongoose, MySQL, Supabase
Fundamentals:	Data Structures & Algorithms, OOPS
Design Tools:	Photoshop, Illustrator, Premiere Pro, After Effects, Canva

PROJECTS

ATS-Compliant Hiring Platform | Node.js, Express, MongoDB, React, Python — GitHub

- Built an automated resume-parsing and candidate-scoring engine that cut manual screening time by 40%.
- Designed a modular backend that handles varied resume formats and configurable scoring criteria.
- Developed secure REST APIs with structured error handling for recruiter workflows.

YouTube Video Chat Assistant (RAG) | Python, LangChain, Hugging Face, Vector Store — Colab Notebook

- Built a RAG-based app that takes a YouTube link, fetches the full video transcript and lets users chat with the video.
- Implemented transcript chunking, Hugging Face embeddings and semantic retrieval with LangChain for context-grounded answers.
- Added video summarization and topic extraction so users can see what a video covers and ask follow-up questions.

Real Estate Price Predictor | Python, scikit-learn, Pandas, NumPy, Plotly, Streamlit — GitHub

- Built an end-to-end ML pipeline for the Gurugram market: web scraping, preprocessing, EDA, feature engineering and model selection.
- Shipped a Streamlit app with a price predictor, an interactive market dashboard and a similar-society recommender.

Deepfake Video Detection | Python, scikit-learn, Pandas, NumPy, Video Processing — GitHub

- Trained ML models on frame-level features to detect manipulated videos.
- Implemented a video-classification pipeline for authenticity checks.

Fund Management System | Node.js, Express, MongoDB, React, JWT — GitHub

- Built a full-stack platform to manage members, contributions, expenses, events and financial records.
- Implemented OTP-based email authentication and role-based access control (RBAC).
- Deployed on Vercel with a clean client/server architecture.

Study Planet | React, Node.js, Express, MongoDB — GitHub

- Developed a full-stack learning platform with user management and content APIs using MVC architecture.
- Built a responsive UI with reusable React components.

INTERNSHIP EXPERIENCE

Web Developer Intern, Compozent — Dec 2023 – Jan 2024

- Built frontend and backend features in an Agile team, improving feature delivery speed by 20%.
- Improved UI/UX by fixing bugs and optimizing workflows.
- Helped maintain scalable web application features.

EDUCATION

B.E. Computer Engineering, Shree L.R. Tiwari College of Engineering | CGPA: 7.8 — **2022 – 2026**

Higher Secondary Certificate (XII), Reckon Public Academy | 82% — **2020 – 2021**

CERTIFICATIONS & ACTIVITIES

- Oracle Agentic AI Certified Foundations Associate (Aug 2026)
- System Design and Backend Development (Foundational Level); Graphic Design Certification
- Regularly solves DSA problems on LeetCode
- Volunteer, NSS, Shree L.R. Tiwari College of Engineering