

GAURAV KASHYAP

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PROFESSIONAL SUMMARY

Machine Learning Engineer and full-stack developer experienced in building and deploying end-to-end ML systems in Python. Skilled in supervised and unsupervised learning, time-series forecasting, Retrieval-Augmented Generation (RAG), and large language models, with a track record of shipping models into working web applications. B.Tech in Computer Science and Engineering, plus an AI/ML program with E&ICT Academy, IIT Roorkee.

TECHNICAL SKILLS

AI-ML	Scikit-Learn, TensorFlow, Supervised and Unsupervised Learning, Model Evaluation, Data Preprocessing, Retrieval-Augmented Generation, NLP
Languages	Python, Java, JavaScript, SQL
Web and Tools	React, Next.js, Node.js, HTML, CSS, REST APIs, JSON, GitHub
Data and Analytics	Pandas, NumPy, MySQL, Tableau

WORK EXPERIENCE

Full-Stack Developer Intern <i>Brokoders</i>	March 2026 - June 2026 <i>Haldwani, Uttrakhand</i>
- Developed and maintained web applications across client-side and server-side components, writing clean, modular, and reusable code. - Integrated Python-based backend services and REST APIs to streamline data processing and automate analytical workflows. - Diagnosed and resolved performance bottlenecks through systematic debugging, cross-browser testing, and peer code review, working in Git and GitHub-based collaborative workflows.	

PROJECTS

AI Second Brain	July 2026 - Present
- Built an AI knowledge management system in Python that ingests unstructured data and uses large language models to autonomously categorize content against the PARA framework, removing manual tagging. - Engineered a Retrieval-Augmented Generation (RAG) pipeline with sentence-transformers vector embeddings, enabling semantic auto-linking and natural language question answering over a personal knowledge base. - Going to design an interactive force-directed knowledge graph (vis-network, Cytoscape) and deploy the full-stack app via Streamlit.	
JobPilot - Unified Job-Search Platform	July 2026 - Aug 2026
- Architected a unified monorepo by merging three independent microservices (harvester, resume builder, email sender) using git subtree, preserving full commit history and consolidating them into a single 14-table centralized database schema. - Engineered an ethical web-scraping pipeline in Python with Playwright to aggregate and deduplicate postings from Naukri, RemoteOK, and Wellfound while enforcing rate limits and robots.txt compliance. - Developed an AI-driven resume tailoring engine with deterministic guardrails against hallucination, guaranteeing truthful gap analysis, verified skill matching, and automated PDF generation. - Implemented a human-in-the-loop outreach system using single-use, body-bound approval tokens to block automated bulk sending and maintain strict audit logging.	
Tri-Model Agricultural Decision Support System(DSS) <i>Galgotias University</i>	November 2025 - March 2026

- Engineered a decision support system synthesizing agronomic, climatic, and market data into farming insights via a Streamlit dashboard.
- Developed and tuned three machine learning models: Random Forest regression for crop yield prediction ($R^2 = 0.90$), Decision Tree classification for pest risk (F1-score = 0.85), and a Prophet time-series model for market price forecasting (2% MAPE).
- Integrated a SHAP explainability engine so end users could interpret model outputs and act on them.

EDUCATION

Bachelor of Technology in Computer Science and Engineering Galgotias University, Greater Noida, Uttar Pradesh	September 2022 - July 2026
CBSE, Class XII Delhi Public School, Ranchi, Jharkhand, 80%	March 2022

CERTIFICATIONS AND TRAININGS

Artificial Intelligence and Machine Learning, E&ICT Academy, IIT Roorkee	April 2026 - Present
Claude Academy: Claude Code 101, Anthropic	August 2026
Data Analytics Job Simulation, Deloitte Australia	June 2026
Prompt Design in Agent Platform, Google	June 2025
Java Technology, Incapp	Nov 2023 - Jan 2024