

Keshav Varshney

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OBJECTIVE

Full-Stack & AI Engineer with hands-on experience building production-grade AI applications, DevOps automation platforms, and ML classification pipelines. Proficient in Python, JavaScript, FastAPI, Next.js, and scikit-learn. Experienced with LLM integration (Gemini, Qwen), Docker, AWS EC2, and Redis. Seeking a Software Engineering, Full-Stack, or AI/ML internship role.

EDUCATION

Bachelor of Technology in Artificial Intelligence

July 2024 – August 2028

Zakir Hussain College of Engineering and Technology, Aligarh Muslim University — CGPA: 8.93

Aligarh, U.P.

SKILLS

Languages: Python, JavaScript, C++

Frontend: React.js, Next.js, Tailwind CSS, HTML, CSS

Backend: FastAPI, Node.js, Express.js, REST APIs

AI / ML: Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn, Feature Engineering, Model Evaluation, Cross-Validation, Predictive Analytics, LLM Integration, RAG, Prompt Engineering, Association Rule Mining, Apriori

Cloud & DevOps: AWS EC2, Docker, Git, GitHub, Linux, CI/CD

Databases: MySQL, MongoDB

Concepts: Data Structures & Algorithms, Object-Oriented Programming, Software Development Lifecycle

EXPERIENCE

Machine Learning Intern

May 2025 – July 2025

EDIC, AMU

Remote

- Constructed and benchmarked classification models (Decision Tree, Random Forest, Logistic Regression) on a 5-table merged e-commerce dataset using 80/20 train-test split and K-fold cross-validation in scikit-learn.
- Achieved ~50% weighted F1-score on cart abandonment classification; analyzed feature importance via Random Forest (age: 66%, quantity: 12%) using pandas, numpy, and matplotlib for EDA and visualization.
- Applied Apriori algorithm (min support: 1%, min confidence: 20%) for association rule mining on product-customer transaction data; built end-to-end ML pipeline covering data merging, preprocessing, feature engineering, modeling, and evaluation across 5 integrated dataset tables.
- Completed 7-week structured curriculum covering supervised/unsupervised learning, bias-variance tradeoff, deep learning fundamentals (MLP, Gradient Descent), and market basket analysis using Python 3.12, Pandas, NumPy, Scikit-learn, Seaborn, and Google Colab.

PROJECTS

SlopScan — AI-Powered Repository Auditor

[GitHub](#) | [Video Demo](#)

- Architected a full-stack AI repository auditing platform in 72 hours (hackathon build), applied PR Review, Documentation Verification, and AI Slop Code Scanner across 3 feature modules with real Docker sandboxing.
- Utilized AST analysis, heuristic scanning, and Gemini / Qwen 72B (via OpenRouter) LLM verification; implemented SSE-based job polling and Redis task queuing via Celery.

Tech Stack: Next.js, FastAPI, Python, Gemini, Qwen 72B, OpenRouter, Redis, Celery, AWS EC2

DeployGuard AI — AI-Powered DevOps Automation Platform

[GitHub](#) | [Video Demo](#)

- Engineered a local-first DevOps automation platform featuring 6 core modules — AutoDeploy, PR Review, Command Translation, Dependency Audit, Task Assign, and Env Sheriff — with a multi-model AI pipeline.
- Designed a multi-stage inference pipeline with RAG, ensemble routing across Qwen3 0.6B and Gemma3 1B via Ollama, Redis caching, and input validation layers; blended ElevenLabs TTS for live demo delivery.

Tech Stack: Next.js, FastAPI, Python, Ollama, Qwen3 0.6B, Gemma3 1B, Express.js, Vercel, AWS EC2

ACHIEVEMENTS

- 3rd Place – System Collapse Hackathon (Hackathon Raptors) [[Certificate](#)]
- Consolation Prize – Code Clash Python Edition, 2025 (EDIC) [[Certificate](#)]