

Krishnanand Jha

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EDUCATION

Indira College of Engineering and Management

B.E. in Computer Engineering

Pune, India

2022 – Present

Indrayani Mahavidyalaya

Higher Secondary Certificate (HSC)

Pune, India

Graduated

PROJECTS

Fraud Detection in Banking Transactions | *Python, Scikit-learn, Machine Learning*

- Built and evaluated Logistic Regression and Random Forest models to detect fraudulent banking transactions.
- Performed exploratory data analysis (EDA) to identify transaction patterns and fraud indicators.
- Engineered anomaly-based and time-based features to improve model discrimination.
- Optimized models using GridSearchCV and cross-validation, improving F1-score and ROC-AUC.

AI Resume ATS Scoring Agent | *LLMs, Embeddings, FastAPI, n8n*

- Developed an LLM-driven ATS scoring system using semantic embeddings to match resumes with job descriptions.
- Generated relevance scores and resume improvement suggestions for candidates.
- Automated resume evaluation workflows using FastAPI and n8n.

Ryder – Real-Time Chat Application | *Socket.IO, Full-Stack Development*

- Developed a real-time chat application enabling low-latency messaging using Socket.IO.
- Implemented user authentication, session handling, and persistent message storage.
- Designed scalable backend architecture to support multiple concurrent users efficiently.

ACHIEVEMENTS

Top 3 Rank — IGI Hackathon 2024

Selected among 500+ teams — D.Y. Patil Ventura Startup Competition

TECHNICAL SKILLS

Languages: Python, C++, Kotlin

Data Science & ML: Regression, Classification, Feature Engineering, Model Evaluation, Cross-Validation

Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

Tools: Jupyter Notebook, Google Colab, FastAPI, Git, GitHub, Tableau

NLP / LLMs: Embeddings, Prompt Engineering, Semantic Search

Databases: MySQL

CERTIFICATIONS

C++ Programming Certification — Disha Computer Institute

Data Science Training — Internshala (IITM Pravartak)

Prompt Engineering — DeepLearning.AI