

RAM BHAJAN SAHU

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PROFESSIONAL SUMMARY Result-oriented **AI/ML & Python Developer** and B.Tech student specializing in **Backend Architecture**. Expert in building **end-to-end production pipelines**, from automated data ingestion to deploying high-performance **REST APIs** using **FastAPI**. Proven ability to solve complex data challenges like extreme **class imbalance** while delivering scalable, production-ready software solutions.

TECHNICAL SKILLS

- **Languages & Tools:** Python, C++, Java, SQL, Git, GitHub, VS Code, Postman, Docker, AWS, Render.
- **AI/ML/NLP:** Regression, Classification, Feature Engineering, ANN, CNN, RNN, TF-IDF, Text Classification.
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras.

TECHNICAL PROJECTS Credit Card Fraud Detection System | Python, FastAPI, Scikit-Learn

- Engineered a fraud detection pipeline using **Random Forest**, achieving high precision on imbalanced data.
- Implemented **Under-sampling** for 0.17% minority class representation to ensure model reliability.
- Deployed a live REST API using **FastAPI** and **ngrok** with interactive Swagger UI documentation.

AI Talent Matcher (Resume Scanner) | Python, NLP, Scikit-Learn, Render

- Developed an automated tool using **TF-IDF** and **Cosine Similarity** to rank resumes against Job Descriptions.
- Optimized text extraction from PDFs using advanced NLP techniques like Lemmatization and Stop-word removal.
- Deployed on **Render**, providing a scalable cloud-based solution for HR automation workflows.

AI BOSS – Voice Enabled Desktop Assistant | Python, Speech Recognition

- Built a smart assistant for **Clinical Automation**, enabling voice-to-text data entry for medical professionals.
- Integrated hands-free desktop controls to streamline administrative tasks in healthcare environments.

ACHIEVEMENTS & CERTIFICATIONS

- **Awards:** 1st Prize at Yuwa Kaushal (**Ciphertext Encoding**); **NCC 'A' Certificate** & NSS Volunteer.
- **Certifications:** Java Full Course (LearnVern); C++ (Alpine Tech Info Ranchi).

EDUCATION Lamrin Tech Skills University Punjab | *B.Tech in Computer Science (AI/ML)* | **CGPA: 8.5/10** | 2023 – 2027