A H BRIJESH

DEEP LEARNING ENGINEER | KNIME L3
Tamil Nadu, India, 629151 | ahbrijesh2004@gmail.com | LinkedIn | GitHub | Portfolio| +91 63846 65931

Deep Learning & AI Engineer skilled in Python, TensorFlow, and KNIME Level 3 automation. Experienced in building end-to-end AI solutions including face recognition, emotion analysis, and conversational AI systems. Strong in ETL workflows, data validation, and workflow automation, with a focus on delivering scalable, reliable, and production-ready AI applications.

EDUCATION

BE CSE | RAJIV GANDHI COLLEGE OF ENGINEERING
CGPA: 8.4
Graduated: 2025

INTERNSHIPS & PROJECTS

AUDIT AUTOMATION & ANALYTICS INTERN | AAMIN DATA SOLUTIONS
MAY 2025 – NOVEMBER 2025
- Designed and maintained 10+ KNIME workflows to identify data outliers.
- Built data integrity check components to validate datasets before audits.
- Developed intuitive KNIME-based GUIs to streamline audit navigation.
- Explored AI techniques to enhance exception detection.
- Generated audit insights and automated reports to reduce manual workload.

AI INTERN | AICTE INNOVATIVE INTERN
AUGUST 2024 – NOVEMBER 2024
- Developed a Face Recognition-Based Attendance System using Flask, TensorFlow, CNN, Keras, and MySQL.
- Achieved 87% accuracy, automating attendance tracking and reducing manual effort by 60%.
- Enabled recognition of 5 individuals within 10 seconds, showcasing expertise in deep learning and problem-solving.
- Collaborated with team members to ensure the efficient delivery of the solution with a focus on user-centric design.

SAP ABAP INTERN | FORD MOTOR COMPANY
JUNE 2024 – AUGUST 2024
- Worked on SAP ERP for the automotive sector, focusing on data migration and system optimization.
- Used ABAP OOP and data conversion tools (BDC, LSMW, LTMC, BAPI) to improve data accuracy.
- Contributed to RICEF development and improved data migration efficiency by 20% through optimized ABAP programming.
- Ensured 100% data accuracy during migration, reducing transactional errors.
- Collaborated with cross-functional teams to deliver stable and reliable SAP solutions.

PROJECTS
- **Emotion Predictor Model (RNN) –** Achieved 91% accuracy in emotion detection trained on custom text dataset.
- **Handwritten Digits Classifier (CNN) –** Realtime inference model for digit recognition using TensorFlow CNN architecture.
- **Face Recognition Attendance System (CNN + MySQL) –** Automated attendance tracking with 5-person recognition in under 10 seconds.
- **Suicide Prevention Chatbot (LSTM + DialoGPT + React + 11labs) –** Fine-tuned a DialoGPT model on Google Colab GPU and built a real-time 3D avatar chatbot using Flask, React, 11Labs TTS, and Rhubarb Lip Sync.

SKILLS

- **Programming:** Python, Java, C
- **Deep Learning:** CNN, RNN, LSTM, Seq2Seq, Transformers (DialoGPT), TensorFlow, Keras
- **Machine Learning:** Scikit-learn, Model Training, Feature Engineering, Evaluation Metrics
- **AI Engineering:** Conversational AI, Emotion Analysis, Face Recognition, Real-Time Inference
- **Data:** MySQL, MongoDB, NumPy, Pandas, ETL Workflows, Data Validation
- **Deployment:** Flask, REST APIs, Basic MLOps Concepts, Model Packaging, Git Version Control
- **Automation & Analytics:** KNIME (Level 3), ACL, Data Cleaning, Workflow Automation
- **Platforms & Tools:** Git, GitHub, Google Colab, HuggingFace, Lovable, KNIME Hub, Postman, VS Code
- **Visualization:** Matplotlib, Seaborn
- **SAP ABAP:** ABAP OOP, BDC, LSMW, LTMC, BAPI, RICEF