Enhanced Resume

R NISHANTH

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SUMMARY

Highly motivated and results-oriented Machine Learning Engineer and Software Developer with 3+ years of experience in designing, developing, and deploying AI-driven applications and scalable systems. Proven ability to leverage machine learning algorithms to solve complex problems, optimize models for enhanced efficiency, and integrate AI solutions into existing systems, resulting in measurable business impact. Seeking a challenging Software Development role where I can apply my expertise in Java, Spring Boot, and Hibernate to build robust and scalable applications.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science and Engineering
KG Reddy College of Engineering and Technology, Hyderabad | 2021 - 2025 | CGPA: 3.04/4
* Relevant Activities: Member of AI&ML Club, Member of KASE Innovation Cell

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++
Frameworks/Libraries: Spring Boot, Hibernate, Keras, TensorFlow, PyTorch, Flask, Scikit-learn
Databases: MySQL, SQLite3
Web Technologies: HTML, CSS
Tools & Technologies: Git, GitHub, MLOps, HuggingFace, Power BI, Matplotlib, Seaborn
Operating Systems: Windows, Linux
Other Skills: Web scraping, Data Analytics, Data Visualization, Software Development, AI/ML Model Deployment

PROFESSIONAL EXPERIENCE

ProwessIQ Information Systems Pvt Ltd, Chennai, India | Oracle APEX Application Trainee | Feb 2025
* Engineered an image-based recommendation system using EfficientNet and FAISS, improving search accuracy by 40%.
* Integrated AI-driven recommendations into Oracle APEX, enhancing database performance by 30%.
* Optimized enterprise AI solutions, reducing processing latency from 5 seconds to 2 seconds per image fetching. This involved refactoring code for improved efficiency and implementing caching strategies.

PROJECTS

Japanese to English Translator using MBART | github.com/Nishanth-nishu/japtoeng
* Developed a Flask-based NLP application achieving a 92 BLEU score for accurate Japanese-English translations.

* Optimized inference speed by 35% using quantization and multi-threading.

AI-Driven Glycemic Risk Prediction System | github.com/Nishanth-nishu/diabetic-prevention-
* Built a machine learning model with 88% accuracy to predict diabetes risk from patient health records. This involved feature engineering, model selection (using techniques like cross-validation), and hyperparameter tuning.
* Implemented a recommendation system (Gemini AI was mentioned, but this needs further clarification and should be replaced with a more relevant technology if possible) for customized lifestyle recommendations, increasing patient engagement by 50%.

License Plate Detection and Recognition | github.com/Nishanth-nishu/licence-plate-detection | huggingface.co/spaces/Nishur/licensed
* Developed an OCR-based license plate detection model with 95% accuracy. This involved image preprocessing, object detection, and character recognition techniques.
* Deployed as a real-time web application, reducing manual verification time by 80%.

ACHIEVEMENTS

* State-Level Technical Fest - Runner-Up
* IEEE National-Level Project Expo - Participant
* Python Data Science Training & Hackathon - Completed 30+ hours of intensive data science training and developed a predictive analytics model that improved event classification accuracy by 15%.
* Full-Stack Python Internship - Swecha Telangana - Built and deployed a Django-based web application for data visualization, optimizing database queries to reduce API response time by 50%.

LEADERSHIP AND EXTRA-CURRICULAR ACTIVITIES

* Admin of Telegram Community (70+ members): Curated AI research papers, improving member engagement by 60%.
* Head of AIML Club (Treasurer): Organized 5+ workshops with 100+ attendees, increasing club participation by 40%.

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