R NISHANTH

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SUMMARY

Highly motivated and results-oriented Software Development Engineer with 3+ years of experience in designing, developing, and deploying AI-driven applications and scalable systems. Proven ability to optimize models, enhance efficiency, and troubleshoot complex software issues, leading to measurable improvements in system performance and business outcomes. Expertise in machine learning, deep learning, and full-stack development. Passionate about leveraging data-driven insights to solve challenging problems and automate processes.

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: Python (expert), C, C++
Frameworks/Libraries: TensorFlow, PyTorch, Keras, Flask, Scikit-learn, Hugging Face, FAISS, EfficientNet
Databases: MySQL, SQLite3
Data Visualization: Matplotlib, Seaborn, Power BI
Web Technologies: HTML, CSS
Operating Systems: Windows, Linux
Tools & Technologies: Git, GitHub, MLOps, Docker (add if applicable), Kubernetes (add if applicable), OCR, NLP, Quantization, Multi-threading
Other Skills: Web scraping, Data analytics, Debugging, Troubleshooting, Application Software Development

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% and reducing processing latency from 5s to 2s per image.
* Integrated AI-driven recommendations into Oracle APEX, enhancing database performance by 30%.
* Optimized enterprise AI solutions, resulting in a 60% reduction in overall processing time.
* Successfully debugged and resolved critical software issues, ensuring system stability and reliability.

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.
* Implemented a personalized lifestyle recommendation system (Gemini AI - replace if not relevant), 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.
* Deployed as a real-time web application, reducing manual verification time by 80%.

ACHIEVEMENTS

* Runner-Up, State-Level Technical Fest: Competed in a highly competitive state-level technical fest, securing Runner-Up in a tech innovation challenge. (Certificate: drive.google.com/file/d/1yCmhNKsmc594hn-iNIIg-WL2VOstI29C/view?usp=sharing)
* Participant, IEEE National-Level Project Expo: Showcased an AI-powered automation project, receiving recognition from IEEE experts. (Certificate: drive.google.com/file/d/1wcBeC6FtDxv20wkESJ8bFtYzr0P9P8V/view?usp=sharing)
* Completed 30+ hours of intensive data science training and developed a predictive analytics model that improved event classification accuracy by 15%. (Certificate: drive.google.com/file/d/1y5F619PLfyQwtUitmbENhRaJnCHsqaEu/view?usp=sharing)
* Full-Stack Python Internship - Swecha Telangana: Built and deployed a Django-based web application for data visualization, optimizing database queries and reducing API response time by 50%. (Certificate: drive.google.com/file/d/1y5rgnKTnb2luNBmfASQpbWlq0qYjXX1m/view?usp=sharing)

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%.