

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 leverage machine learning and software engineering principles to solve complex problems, optimize models for enhanced efficiency, and deliver impactful solutions. Expertise in Python, TensorFlow, and various database technologies. Seeking a challenging role where I can contribute my skills in software development, debugging, and troubleshooting to build high-quality, robust 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: Python (expert), C, C++
Frameworks/Libraries: TensorFlow, Keras, PyTorch, Flask, Scikit-learn, Hugging Face Transformers
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), EfficientNet, FAISS, Oracle APEX
Other Skills: Web scraping, Data analytics, Debugging, Troubleshooting, Application Software Development

PROFESSIONAL EXPERIENCE

Oracle APEX Application Trainee | ProwessIQ Information Systems Pvt Ltd | Chennai, India | Feb 2025
Engineered an image-based recommendation system using EfficientNet and FAISS, resulting in a 40% improvement in search accuracy.
Integrated AI-driven recommendations into Oracle APEX, enhancing database performance by 30%.
Optimized enterprise AI solutions, reducing image fetching processing latency from 5 seconds to 2 seconds.

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 customized 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 (verify 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 available upon request)

Participant, IEEE National-Level Project Expo: Showcased an AI-powered automation project, receiving recognition from IEEE experts. (Certificate available upon request)

Completed 30+ hours of intensive data science training, developing a predictive analytics model that improved event classification accuracy by 15%. (Certificate available upon request)

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%. (Certificate available upon request)

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%.

