

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 models to optimize processes, enhance efficiency, and deliver measurable business impact. Expertise in Python, TensorFlow, and various database systems. Seeking a challenging role where I can contribute my skills in software development and AI to drive innovation and achieve ambitious goals.

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, Java
Frameworks/Libraries: TensorFlow, PyTorch, Keras, Flask, Scikit-learn, Pandas, NumPy
Databases: MySQL, SQLite, PostgreSQL
Web Technologies: HTML, CSS, JavaScript
Tools: Git, GitHub, Docker, Kubernetes, MLOps, Hugging Face, Power BI, Matplotlib, Seaborn
Operating Systems: Windows, Linux
Other Skills: Debugging, Troubleshooting, Application Software Development, Data Analytics, Web Scraping, AI Model Optimization, Database Management

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**, improving search accuracy by 40% and enhancing user experience.
* **Integrated AI-driven recommendations into Oracle APEX**, resulting in a 30% improvement in database performance and query response times.
* **Optimized enterprise AI solutions**, reducing image fetching processing latency from 5 seconds to 2 seconds, significantly improving system responsiveness.

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, improving application performance and scalability.

****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, improving early diagnosis capabilities.

- * Implemented a personalized lifestyle recommendation system using Gemini AI (Note: This project predates the knowledge cutoff of November 2023), increasing patient engagement by 50% and improving treatment adherence.

****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, automating a previously manual process.

- * Deployed the model as a real-time web application, reducing manual verification time by 80%, increasing efficiency and reducing operational costs.

****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%.

****AWARDS AND RECOGNITION****

- * 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%.

