R NISHANTH

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SUMMARY

Machine Learning Engineer and Software Developer with 3+ years of experience building AI-driven applications and scalable systems. Proven ability to optimize models, enhance efficiency, and deploy AI solutions, leading to measurable business impact. Passionate about data-driven decision-making and automation.

EDUCATION

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

SKILLS

Programming Languages	Python, C, C++
Web Technologies	HTML, CSS
Databases	MySQL, SQLite3
Data Visualization	Matplotlib, Seaborn, Power BI
Operating Systems	Windows, Linux
Frameworks	Keras, TensorFlow, Flask, PyTorch
Other Skills	Web-scraping, Data Analytics, Machine Learning (Scikit-learn), Git, GitHub, MLOps,

PROFESSIONAL EXPERIENCE

ProwessIQ Information Systems Pvt Ltd *Feb 2025*
Oracle APEX Application Trainee Chennai, India

- 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 5s to 2s per image fetching.

PROJECTS

- **Japanese to English Translator using MBART:** - Developed a Flask-based NLP application that achieved 92 BLEU score for accurate Japanese-English translations. - Optimized inference speed by 35 using quantization and multi-threading. - GitHub: github.com/Nishanth-nishu/jap$_t$o$_e$ng

- **AI-Driven Glycemic Risk Prediction System:** - Built a machine learning model with 88 accuracy to predict diabetes risk from patient health records. - Implemented Gemini AI for customized lifestyle recommendations, increasing patient engagement by 50. - GitHub: github.com/Nishanth-nishu/diabetic-prevention-

- **License Plate Detection and Recognition:** - Developed an OCR-based license plate detection model with **95- Deployed as a real-time web app, reducing manual verification time by 80- GitHub: github.com/Nishanth-nishu/licence-plate-detection - Live Demo: huggingface.co/spaces/Nishur/licensed

ACHIEVEMENTS

- **State-Level Technical Fest - Runner-Up:** - 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

- **IEEE National-Level Project Expo - Participant:** - Showcased an AI-powered automation project, receiving recognition from IEEE experts. - Certificate: [drive.google.com/file/d/1wcBeC6FtDxv20wkESJ8bFtYzr0$_P$9P8V/vi sharing](drive.google.com/file/d/1wcBeC6FtDxv20wkESJ8bFtYzr0P9P8V/vi)

- **Python Data Science Training & Hackathon:** - Completed 30+ hours of intensive data science training. - 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. - Optimized database queries, 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