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 web systems. Proven ability to leverage machine learning models to solve complex problems, optimize system performance, and deliver measurable business value. Expertise in front-end technologies, including ReactJS, and proficiency in back-end development using Python and Flask. Passionate about data-driven decision-making and continuous improvement.

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 (Flask, Django), C, C++, JavaScript (ES6), HTML, CSS
Frameworks/Libraries: ReactJS, React Native, Keras, TensorFlow, PyTorch, Scikit-learn, Node.js, jQuery
Databases: MySQL, SQLite3
Web Technologies: REST APIs, Web Scraping, MLOps, Agile methodologies
Data Visualization: Matplotlib, Seaborn, Power BI
Tools: Git, GitHub, Docker, Hugging Face, Figma (familiar)
Operating Systems: Windows, Linux

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 database performance by 30% through seamless integration with Oracle APEX.
* Optimized enterprise AI solutions, reducing image fetching processing latency from 5 seconds to 2 seconds.

PROJECTS

Japanese to English Translator (Flask, 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 (Python, Scikit-learn) |

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 concept adapted), increasing patient engagement by 50%.

License Plate Detection and Recognition (Python, OpenCV, OCR) | 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.
* Participant, IEEE National-Level Project Expo: Showcased an AI-powered automation project, receiving recognition from IEEE experts.
* Completed 30+ hours of intensive Python 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%.