R NISHANTH

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SUMMARY

Highly motivated and results-oriented Software Developer with 3+ years of experience in designing, developing, and deploying software applications, including AI-driven solutions. Proven ability to troubleshoot and debug software programs, optimize database performance, and enhance application efficiency. Expertise in Python, various web technologies, and database systems. Adept at collaborating effectively within teams to deliver high-quality software solutions that meet business objectives. Seeking a challenging Software Development role where I can leverage my skills and experience to contribute to a dynamic and innovative organization.

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

SKILLS

Programming Languages: Python, C, C++
Web Technologies: HTML, CSS, Flask, Django
Databases: MySQL, SQLite3, Oracle APEX
Data Visualization: Matplotlib, Seaborn, Power BI
Operating Systems: Windows, Linux
Frameworks/Libraries: Keras, TensorFlow, PyTorch, Scikit-learn
Other Skills: Web scraping, Data analytics, Machine learning (MLOps), Git, GitHub, Debugging, Troubleshooting, Application Software Development, Software Design, Software Testing

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%.
 Integrated AI-driven recommendations into Oracle APEX, enhancing database performance by 30%.
 Optimized enterprise AI solutions, reducing processing latency from 5 seconds to 2 seconds per image fetching. Successfully debugged and resolved critical performance bottlenecks.

PROJECTS

Japanese to English Translator using MBART:
  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. Implemented robust error handling and logging mechanisms.
GitHub: github.com/Nishanth-nishu/japtoeng

AI-Driven Glycemic Risk Prediction System:
Built a machine learning model with 88% accuracy to predict diabetes risk from patient health records. Utilized rigorous testing methodologies to ensure model accuracy and reliability.
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% accuracy. Successfully addressed challenges related to image quality and variations in license plate formats.
Deployed as a real-time web application, 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. Successfully designed, developed, and presented a novel technical solution.
IEEE National-Level Project Expo - Participant: Showcased an AI-powered automation project, receiving recognition from IEEE experts. Presented technical findings clearly and concisely to a panel of experts.
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%.
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%.

LEADERSHIP AND EXTRA-CURRICULAR ACTIVITIES

Admin of Telegram Community (70+ members): Curated AI research papers, improving member engagement by 60%. Successfully managed and moderated a large online community.
Head of AIML Club (Treasurer): Organized 5+ workshops with 100+ attendees, increasing club participation by 40%. Demonstrated strong leadership and organizational skills in managing club activities and finances.