Viswa V R
AI/ML Developer, Bengaluru, India
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Professional Summary

AI/ML Developer with expertise in machine learning, deep learning, and data-driven solutions. Skilled in Python, Java, and C++, with experience in developing and deploying AI-powered applications, automation systems, and data pipelines. Passionate about solving real-world challenges with AI and building scalable, efficient solutions.

Core Skills

- **Programming Languages:** Python (Proficient), Java, C++
- **Machine Learning & AI:** Deep Learning, Predictive Analytics, Statistical Modeling, Computer Vision
- **GenAI Tools**: Transformers, LLaMA, Mistral, DALL·E, Stable Diffusion, Tools & Libraries: NumPy, Pandas, Matplotlib, OpenCV, FAISS, PaddleOCR
- **Web Development:** HTML, CSS, JavaScript,
- **Databases:** SQL, NoSQL, Relational Database Management
- **Cloud & Deployment:** AWS, FastAPI, Streamlit
- **ML Frameworks:** sckit-learn, TensorFlow, PyTorch

Work Experience
Graduate Engineering Trainee -Al/ML Development (Dec 2024 Present)
Rangsons Aerospace Private Limited - Bangalore

- **RFP Processing System:** Developeing an AI-powered system for automated Request for Proposal (RFP) processing. Implemented text extraction, document summarization, and a Q&A module to answer queries from RFPs. Integrated multi-PDF support, using Streamlit & Fask and automated documentation generation.
- **RGB to Infrared (IR) Image Conversion**: Re-Designed a deep learning model to convert RGB images to infrared, enhancing visibility for aerospace applications. Optimized the model for high accuracy and efficiency in real-time scenarios.
- **Resume Filtration & Summarization System:** Built an AI-driven tool for automatic resume classification, summarization with voice-over, and autofill. Implemented NLP techniques to extract key insights and match resumes to job roles.

Academic Projects

Face Recognition Attendance System

- Developed a real-time face recognition system for automated attendance tracking.
- Improved algorithm efficiency, enhancing accuracy by 20%.
- Integrated with relational databases for seamless record management.

Crop Yield Prediction Using Machine Learning

- Built a predictive model using the Random Forest algorithm to forecast crop yields based on location, season, and crop type.
- Achieved 85% accuracy, aiding in agricultural planning.

Education

Master of Computer Applications (MCA)
Kalasalingam University | CGPA: 8.05 | 2023-2025

Certifications

- **Python for Machine Learning** | Rathinam College
- **AWS Cloud Computing** | Karpagam College of Engineering
- **Introduction to Web Development** | Elisiyam
- **HTML and CSS Certification** | Elisiyam
- **C, C++ & Data Structures** | SSI
- **Digital Marketing Certification** | Coursera