JAYADEEP VEERA

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Objective

Motivated engineering graduate with practical experience in machine learning, data analysis, and full-stack development. Seeking a role to apply my skills in building predictive models, scalable web apps, and data-driven solutions using modern AI and software practices.

Education

SRKR Engineering College,Bhimavaram **Expected 2026**
Bachelor of Technology in AIML *CGPA: 9.0/10*

Sasi Junior College,Mandapeta **2020 - 2022**
Intermediate (MPC) *Percentage: 93.8*

Experience

NIELIT - DevOps Intern **Remote**

- Automated deployment processes using CI/CD pipelines with tools like Jenkins and GitHub Actions, improving release efficiency and consistency.
- Managed infrastructure as code (IaC) using Docker and basic Kubernetes for scalable and reproducible environments.
- Monitored and troubleshot system performance and application logs to ensure uptime and reliability of development and staging environments.
- Collaborated with cross-functional teams to integrate DevOps practices into project workflows and improve overall development lifecycle.

Projects

Brain Tumor Classification and Segmentation App | *TensorFlow, Keras, Streamlit, Hugging Face Spaces* **March 2025**

- Developed a hybrid deep learning model combining U-Net architecture for tumor segmentation and dense layers for classification of MRI brain scans.
- Trained on preprocessed datasets to identify Glioma, Meningioma, Pituitary, or No Tumor cases with high accuracy.
- Deployed a real-time application using Streamlit on Hugging Face Spaces, enabling public access to predictions and visualizations.

Loan Eligibility Prediction System | *Flask, Scikit-Learn, Pandas, Render* **November 2024**

- Built a web application using Flask to predict loan eligibility based on user inputs and trained classification models.
- Achieved 89% accuracy by implementing logistic regression and ensemble learning algorithms.
- Deployed the application to Render, ensuring scalability and ease of access through a responsive UI.

CI/CD-Enabled Web App Deployment | *GitHub Actions, Flask, Render* **December 2024**

- Implemented continuous integration and delivery pipelines using GitHub Actions to automate deployment of a Flask-based web application.
- Integrated automatic testing, source control, and live deployment to improve development efficiency.
- Enhanced system reliability through containerization and deployment to cloud platforms like Render.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Tools Platforms: Git, GitHub Actions, AWS, Streamlit, MongoDB, Selenium, Node.js, Jenkins

Frameworks Libraries: React.js, Flask, TensorFlow, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn

Technologies: REST APIs, Agile Methodology, CI/CD Pipelines

Technical Skills: Data Structures, OOP, CN,DBMS

Certifications

Google Cloud : Gained practical experience with cloud services, ML model deployment, and secure infrastructure on Google Cloud Platform.

DevOps – NIELIT: Completed DevOps training focusing on containerization using Docker, automated workflows, and continuous deployment pipelines.

Smart India Hackathon (SIH): Participated in a 36-hour national coding sprint to develop real-world technical solutions as part of a cross-functional team.

Generative AI in Data Analytics – Coursera: Learned to use generative AI tools for automating data analysis, visualizations, and producing AI-powered business reports.