Jasweer Naidu Tadikonda

jasweertadikonda@gmail.com | +1 7622470563
github.com/Jasweer09 | linkedin.com/in/jasweer-naidu-tadikonda

Skills

Languages: Python, SQL, Java, C

Machine Learning and AI: Supervised/Unsupervised Learning, Deep Learning (CNNs, RNNs, GANs), NLP, Computer Vision, Reinforcement Learning, Model Optimization

Frameworks and Technologies: TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy, Hugging Face Transformers

Tools: Google Cloud AI, AWS (SageMaker, Lambda, EC2), Docker, Kubernetes, Git, Jenkins, Jupyter Notebook, IBM API Connect, Google Apigee

Data Engineering: Data Preprocessing, Feature Engineering, ETL Pipelines, SQL/NoSQL Databases

Soft Skills: Problem-Solving, Analytical Thinking, Team Collaboration, Communication, Agile Methodologies

Work Experience

Infosys Ltd, Hyderabad, India June 2023 - Dec 2023

AI Engineer

- Designed and deployed machine learning models using Python and TensorFlow, improving predictive accuracy by 25% for customer behavior analytics.
- Built and optimized deep learning models (CNNs, RNNs) for image recognition and NLP tasks, reducing inference time by 30% through hyperparameter tuning and model pruning.
- Developed automated data pipelines with Pandas and AWS SageMaker, cutting data preprocessing time by 40% and enabling real-time model updates.
- Collaborated with software engineers to integrate AI models into production via RESTful APIs, boosting system scalability by 20%.
- Integrated IBM API Connect with AWS infrastructure to manage and secure APIs for machine learning services, improving API gateway performance by 15% and ensuring compliance with security standards.

Tata Consultancy Services, Hyderabad, India August 2020 - June 2023

Junior AI Engineer

- Implemented machine learning algorithms using PyTorch and Scikit-learn, enhancing fraud detection accuracy by 18% for financial clients.
- Engineered features and preprocessed large datasets (100K+ records) with SQL and NumPy, improving model training efficiency by 25%.
- Deployed AI models on Google Cloud Platform, optimizing resource usage and reducing operational costs by 15%.
- Automated CI/CD pipelines with Jenkins, streamlining build, testing, and deployment processes by 30%.
- Utilized Google Apigee on Google Cloud Platform to design, deploy, and monitor APIs for AI applications, reducing API latency by 20% and enhancing third-party integration capabilities.
- Maintained version control with Git and automated CI/CD workflows with Jenkins, ensuring seamless model updates with 99% uptime.

Smart Bridge in Collaboration with IBM, Hyderabad, India Jan 2020 - July 2020

AI Engineering Intern

- Developed and deployed machine learning and deep learning models using Python and TensorFlow, specializing in regression, classification, and neural networks.
- Led the Smart People Counter project, implementing Convolutional Neural Networks (CNNs) for real-time people counting and gender classification, deployed in 10+ retail locations.
- Optimized model performance through hyperparameter tuning and data preprocessing, achieving a 20% improvement in accuracy and scalability for large datasets.
- Collaborated with cross-functional teams to integrate the solution into retail environments, resulting in adoption by over 15 managers for data-driven decision-making.

Projects

- **Real-Time Fraud Detection Engine**
  - Developed a real-time fraud detection system using Python, Scikit-learn, TensorFlow, Apache Kafka, and AWS

Lambda.
  - Achieved 95% accuracy with anomaly detection algorithms, reducing false positives by 30%.
  - Enabled sub-second response times with Kafka streaming and Lambda inference, cutting fraud losses by 20%.
- **NLP-Powered Legal Document Analyzer**
  - Built an NLP tool with Python, SpaCy, BERT, Hugging Face Transformers, and Docker for legal clause analysis.
  - Attained 90% precision in clause extraction using BERT, improving document processing speed by 40%.
  - Reduced deployment time by 50% with Docker, enhancing legal team efficiency.
- **Personalized Healthcare Recommendation System**
  - Created a recommendation system using Python, TensorFlow, Pandas, Scikit-learn, and AWS SageMaker.
  - Improved patient satisfaction by 25% with collaborative filtering models on 1M+ records.
  - Ensured HIPAA compliance with secure API integration into EHR systems.

Certificates

- **IBM AI Engineering Professional Certificate**
- **Artificial Intelligence Fundamentals**
- **Introduction to Deep Learning & Neural Networks with Keras**
- **Machine Learning with Python**

Education

Northern Arizona University, Flagstaff, USA Present
M.S. in Computer Science (Pursuing)
Relevant Projects: *Intelligent Learning Assistant: Restricting AI Guidance via Prompt Injection Detection*
Gudlavalleru Engineering College, Gudlavalleru, India Jun 2016 - Sep 2020
B.Tech in Computer Science and Engineering
Relevant Projects: *Securing the Data using Image Steganography and Encryption Techniques*, *Implementing Bus Tracking System*, *Smart People Counter Using Gender Classification*

Awards

- **On the Spot Award:** Winner of ’On the spot Award’ in TCS by client appreciation.
- **Applause Award:** Winner of Applause Award in TCS.
- **Star of the Month Award:** Winner of Star of the Month Award in TCS.