Rajesh Kodaganti

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SKILLS

Programming Languages & IDEs: Python, R Programming, SQL, Jupyter Notebook, Google Colab
Machine Learning & Deep Learning: Linear Regression, Logistic Regression, Decision Trees, Random Forests, Naive Bayes, K-Means, DBSCAN, Autoencoders, Recurrent Neural Networks (RNNs), Artificial Neural Networks (ANN)
Computer Vision: OpenCV, Tesseract OCR, Convolutional Neural Networks (CNNs)
Deep Learning Frameworks: TensorFlow, Keras, PyTorch
AI & Generative AI Technologies: LangChain, LLaMA, RAG, Azure OpenAI, n8n Orchestration
Natural Language Processing (NLP): BERT, ROBERTa, Claude, GPT-4, Named Entity Recognition (NER), NLTK
Cloud & MLOps: Azure, Fabric, AWS (SageMaker, Lambda, CloudWatch, CloudFormation), GCP
Libraries & Tools: Scikit-learn, Pandas, NumPy, SciPy, PySpark, XGBoost, Matplotlib, Seaborn
Data Visualization & Databases: Tableau, Power BI, SQL Server, MySQL, PostgreSQL, MongoDB

EDUCATION

California State University, Northridge
Master of Science in Computer Engineering *May 2025*

WORK EXPERIENCE

Quadrant Technologies LLC **Redmond, USA**
Software Engineer July 2025 - Present

- Developed and deployed end-to-end NLP pipelines, utilizing ROBERTa, GPT-4, and Named Entity Recognition (NER), to automate information extraction and classification from customer communications, leading to a 35% reduction in manual review time.
- Implemented Computer Vision models (MobileNetV2, YOLOv8) and Tesseract OCR for processing and validating scanned financial documents, improving verification speed by 40% and decreasing errors in Know Your Customer (KYC) workflows.
- Engineered predictive credit risk models using Artificial Neural Networks (ANN) and XGBoost on PostgreSQL datasets, achieving a 12% higher accuracy in identifying high-risk accounts.
- Established retrieval-augmented solutions with LangChain and LlamaIndex to organize, index, and query large financial datasets, enabling analysts to quickly access relevant information and reducing data search time by 30%.
- Employed knowledge retrieval and Generative AI tools, including LLaMA and Mistral models, to empower financial analysts in generating actionable insights faster and cutting manual research effort by 20%.
- Deployed machine learning and deep learning (ML/DL) models on Google Cloud Platform (GCP) using TensorFlow and Keras, facilitating scalable, real-time fraud detection and customer support applications.
- Built Tableau dashboards to visualize model outputs and key business metrics, enabling stakeholders to make faster, data-driven decisions.
- Collaborated with cross-functional teams to integrate AI models into existing banking applications, ensuring regulatory compliance and alignment with internal policies.

QikCell by tickioT **Los Angeles, USA**
Assistant Solutions Engineer Jan 2025 - May 2025

- Provided expert technical demonstrations and crafted innovative client solutions. Successfully delivered comprehensive technical presentations, articulating complex concepts with clarity and impact, and developed tailored, cutting-edge solutions specifically designed to address the unique challenges and requirements of our enterprise clients. This involved deep dives into their existing infrastructures, identifying pain points, and strategically leveraging our product offerings to achieve their business objectives.

CERTIFICATIONS

- **AI 102 – Microsoft Certified:** Azure AI Engineer Associate
- **DP 700 – Microsoft Certified:** Fabric Data Engineer Associate
- **AZ 400 –** Designing and Implementing Microsoft DevOps Solutions
- **GitHub** – Career Essentials in GitHub Copilot Professional Certificate