Kousik Kogatam

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github.com/kousik1004 kousik1004.github.io/Kousik-Portfolio

EDUCATION

VIT AP University, Bachelor of Technology 2022 – Present | Amaravati
CGPA: 8.49

Sri Chaitanya Junior College, Intermediate 2020 – 2022 | Kadapa
CGPA: 9.61

Sai Baba High School, Secondary Education 2019 – 2020 | Kadapa
CGPA: 10.0

EXPERIENCE

Data Analytics Intern, IBM SkillsBuild June 2024 – August 2024
- Developed and optimized data pipelines with Pandas and NumPy, reducing preprocessing time by 30% and ensuring cleaner datasets for forecasting.
- Implemented ML models in Scikit-learn with Matplotlib, reaching 92% accuracy and revealing cost-saving opportunities.
- Presented analytical findings and visual dashboards using Power BI, improving clarity in data-driven energy decisions.

SKILLS

Programming Languages — Java, Python, SQL, R

Data Visualization — Matplotlib, Seaborn, Power BI

Data Science — Data Analytics, Machine Learning, NLP

Frameworks & Libraries — NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch

Soft Skills — Problem Solving, Critical Thinking, Teamwork, Adaptability, Continuous Learning

Tools & Collaboration — Jupyter, Colab, VS Code, Git, GitHub

PROJECTS

Resume Information Extraction: ResumeXtract
- Built a resume parser using Regex, NER, and text cleaning to extract key candidate details accurately.
- Deployed a Streamlit app enabling resume uploads with instant, structured insights.

Energy Consumption Forecasting for Sustainability
- Applied Machine Learning on 1,000+ energy records, achieving 0.50 MAE and R^2 of ~59% in forecasting.
- Derived insights from HVAC, lighting, and occupancy trends, recommending energy-efficiency improvements for sustainable operations.

Sign Language Detection Using Machine Learning
- Designed a YOLOv5 real-time sign detection model with ~90% accuracy and ~216 ms latency per image.
- Translated gestures into text with sub-0.25 s response time to enhance accessibility for the hearing-impaired.

CERTIFICATES

Power BI for Beginners — Simplilearn

Mastering Data with Machine Learning — IBM SkillsBuild

Python for Data Science — CognitiveClass.ai

Introduction to NumPy — Simplilearn

Pandas in Python — Simplilearn

Google Analytics for Beginners — Google Analytics Academy