

Kousik Kogatam

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

EDUCATION

VIT AP University, Bachelor of Technology CGPA: 8.46	2022 – Present Amaravati
Sri Chaitanya Junior College, Intermediate CGPA: 9.61	2020 – 2022 Kadapa
Sai Baba High School, Secondary Education CGPA: 10.0	2019 – 2020 Kadapa

EXPERIENCE

Data Analytics Intern, IBM SkillsBuild 🔗	June 2024 – August 2024
<ul style="list-style-type: none">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 🔗
<ul style="list-style-type: none">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 🔗
<ul style="list-style-type: none">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 🔗
<ul style="list-style-type: none">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 🔗