KASI NAGA BASAVAYYA.CH

M.Sc. in Data Science
Information Technology
IIIT Lucknow

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ABOUT ME

Data scientist and GenAI enthusiast skilled in building scalable AI solutions using machine learning, deep learning, NLP, and big data. Passionate about education, environmental AI, and content automation. Currently pursuing MSc in Data Science at IIIT Lucknow and contributing to impactful academic and industrial projects.

EDUCATION

M.Sc. Data Science, -Indian Institute of Information Technology, Lucknow   *2024 – Present*
B.Sc. Maths, Stats, CS, Adikavi Nannaya University   *2021 – 2024*

EXPERIENCE

Data Science Research Intern, Edurva Learning, Hyderabad   *Aug 2025 – Present*

- Leading R&D lab initiatives integrating ML and geospatial analytics in EdTech.
- Designed academic performance models and automated data pipelines.
- Contributing to publication-level research on AI in education.

Teaching Assistant, IIIT Lucknow   *Feb 2025 – Jun 2025*

- Mentored 100+ students in Discrete Math and foundational Data Science.
- Created AI-enhanced teaching modules; provided evaluations and feedback.

Data Science Intern, AICTE   *Apr 2024 – Jul 2024*

- Built GenAI and ML models using Transformers, TensorFlow, and Scikit-learn.
- Developed reusable pipelines and real-time inference workflows.

Big Data Intern, AICTE   *Jan 2024 – Mar 2024*

- Analyzed streaming datasets using Spark and Hadoop; visualized with Tableau.
- Deployed scalable data solutions using AWS & GCP cloud services.

Full-Stack Developer & ML Integrator

- Built web platforms with ML backends (Flask, Node.js) + React/Vue frontends.
- Created REST APIs for real-time inference and model-driven dashboards.

PROJECTS

- **YOLOv8 Detection System:** Custom real-time object detection (95% accuracy).

- **Sentiment Classifier:** Domain-specific BERT fine-tuning (92% accuracy).

- **GenAI Automation:** Prompt engineering + GPT pipelines for scalable content generation.

- **Time Series Forecasting:** LSTM and ARIMA-based financial prediction dashboard.

- **MLOps Pipeline:** Dockerized training, validation, and deployment on AWS.

- **Big Data Analytics Platform:** Real-time Spark + Tableau analytics on Hadoop clusters.

SKILLS & TECHNOLOGIES

ML/GenAI: Scikit-Learn, TensorFlow, PyTorch, Keras, Hugging Face, Transformers, RAG, Prompt Engineering, YOLOv8
Cloud/Big Data: AWS (SageMaker, Lambda), GCP (Vertex AI, BigQuery), Azure, Apache Spark, Hadoop, Kafka
Dev/Deployment: Python, Flask, Django, Node.js, SQL/NoSQL, REST APIs, Docker, CI/CD, Git
Frontend: React.js, Vue.js, HTML, CSS, JavaScript
Visualization: Power BI, Tableau, Matplotlib, Seaborn, Plotly, Streamlit, QGIS

CERTIFICATIONS

AWS ML Foundations, AWS Data Engineering, AWS Cloud Architecting.

ACHIEVEMENTS

- Secured AIR **930** in IIT JAM Mathematics 2024.

- Mentored over 100 students in TA role.

- Completed 4 AWS professional certifications.

- Led 24+ impactful Data Science and GenAI projects across domains.