

JOHNSON OBHALLOJU

Aspiring Data Scientist & AI/ML Engineer

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PROFESSIONAL SUMMARY

EEE graduate turned AI/ML Engineer actively seeking opportunities in AI/ML development and Data Science. With hands-on internship experience in developing end-to-end ML models, Generative AI solutions, and automated workflows, I am proficient in Python, Scikit-learn, TensorFlow, Langchain, and have a solid foundation in statistics, hyperparameter tuning, and cloud deployment (AWS/GCP). Eager to contribute to scalable AI systems that drive real-world impact in fast-paced collaborative teams.

EXPERIENCE

Data Scientist Intern *Ramanasoft / Dec 2024 – Present*

- Built ML models (89% accuracy) using Scikit-learn to boost customer targeting by 15%.
- Automated preprocessing pipelines (Python, Pandas), cutting data prep time by 40%.
- Collaborated with a cross-functional team to build a Generative AI chatbot using LangChain and Transformers, improving FAQ resolution accuracy to **85%** and enhancing client support.
- Created Power BI dashboards for stakeholders, enhancing real-time decision-making.

TECHNICAL SKILLS

- Programming :** Python (Pandas, NumPy, SciPy), SQL
- Machine Learning:** Scikit-learn, TensorFlow, PyTorch, XGBoost, Random Forest, Ensemble Models
- Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn, Plotly
- Cloud Platforms:** AWS (S3, EC2, SageMaker), Google Cloud Platform, Azure
- Tools:** Git, Jupyter, VS Code, Google Colab
- Statistics:** Hypothesis Testing, Regression Analysis, Time Series Forecasting, A/B Testing
- Generative AI :** Langchain, Hugging Face Transformers, OpenAI API, DeepSeek API

PROJECTS

Predictive Maintenance System

- Developed solution predicting equipment failures with 94% accuracy using IoT sensor data
- Created real-time monitoring dashboard reducing downtime by 27%
- Tech: Python, Scikit-learn, Flask. [Github Repository](#)

Medical Image Classification

- Built CNN-based X-ray classifier with 94%+ accuracy using TensorFlow
- Developed animated Streamlit UI with voice output, theme toggle, and real-time image analysis
- Tech: Python, TensorFlow, Pandas. [Github Repository](#)

Financial Fraud Detection System

- Created ML pipeline for fraud identification achieving 0.96 AUC score
- Implemented ensemble models with real-time transaction scoring
- Tech: Python, Scikit-learn, XGBoost, Imbalanced-learn. [Github Repository](#)

EDUCATION

Bachelor of Technology (EEE)	Jntuh College of Engineering (M)	June 2020 – June 2024	72%
Higher Secondary Education	Government Junior College, Gajwel	June 2018 – March 2020	96.5%
Secondary Education	Zilla Parishad High School Shivampet	June 2017 – March 2018	95%

CERTIFICATIONS

- Data Science with GenAI - Quality Thought (2025)
- Data Science Intern – RamanaSoft Consulting Services (2025)

PUBLICATIONS ◆

Research Publication

“Mathematical Modeling and Performance Evaluation of Grid Connected PV System with Hybrid Energy Storage”

Co-authored with a team of 4 | Published in IEEE, 2024

- Focused on optimizing solar energy systems using mathematical models and hybrid storage
- Demonstrated strong research methodology, technical writing, and collaboration skills

ACHIEVEMENTS ◆

First Prize – Project Expo, JNTUH College of Engineering, 2024

- Recognized for developing an innovative project in Electrical & Electronics Engineering, demonstrating technical creativity, teamwork, and strong presentation skills.

1st Prize – Chess Champion (4 consecutive years), JNTUH College of Engineering

- Demonstrated strategic thinking, focus, and problem-solving under pressure across multiple inter-departmental competitions.

LANGUAGES ◆

- English (Fluent)
- Telugu (Native)
- Hindi (Professional)