

Rohit Makani

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Objective

Aspiring Machine Learning Intern with a strong foundation in data science and AI, currently pursuing a Bachelor of Science in Artificial Intelligence and Data Science at IIT Guwahati. Eager to apply hands-on experience in Python, TensorFlow, NLP, and data analysis to contribute to real-world ML solutions. Passionate about model development, algorithm optimization, and leveraging data-driven insights to solve complex problems.

Education

Indian Institute of Technology (IIT) Guwahati, India , Bachelor of Science in Artificial Intelligence and Data Science	Sept 2023 – May 2027
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Offline Classes, PW Institute of Innovation, India , Engaged in hands-on workshops focused on Python programming and machine learning techniques.	Sept 2023 – May 2027
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Skills

Programming: Python (Pandas, NumPy, Scikit-learn, TensorFlow), SQL.

Machine Learning: Regression, Classification, NLP, Sentiment Analysis, Model Evaluation (Accuracy, F1-Score).

Tools: Power BI, Tableau, Jupyter Notebook, Git.

Data Analysis: Data Cleaning, Visualization, Statistical Modeling, DAX (Power BI).

Projects

1. Healthcare Self-Diagnosis App with ML

- Developed a machine learning model for symptom analysis using Scikit-learn, providing personalized health recommendations.
- Integrated diet/workout plans based on user data, improving engagement by 30

2. Dynamic Cash Flow Analysis in Power BI

- Designed an interactive dashboard using DAX to track cash inflow/outflow across departments, improving financial decision-making by 30
- Enabled drill-down features for month/department-level insights, enhancing operational transparency.

3. Cricket World Cup 2023 Data Analysis (Python)

- Processed 10,000+ performance metrics using Pandas, creating visualizations to highlight player trends and game dynamics.

- Crafted narratives linking data to player dedication, showcasing actionable insights for strategy optimization.

4. Real-Time News Tracker (NLP)

- Collaborated on a team to build an AI model (TensorFlow, NLTK) classifying news authenticity, improving detection accuracy by 25
- Developed a live dashboard to display results, enhancing user engagement through data accessibility.

Interests

Machine Learning in NLP, Predictive Modeling, and Healthcare.

Staying updated with advancements in deep learning (LLMs, Transformers).