Hirak Jyoti Phukan

hirakjyotiph@gmail.com | 7638037931 | Github | Linkedin

SUMMARY

Aspiring AI and Data Science professional skilled in Python, machine learning, and data analytics, with hands-on experience developing predictive models and extracting actionable insights from complex datasets. Eager to leverage technical expertise and innovative problem-solving to drive impactful business solutions in a dynamic team environment.

EDUCATION

M.tech, AI and DATA SCIENCE   *2024 - 2026*
vellore institute of technology,Bhopal

B.tech, (CSE)   *2021*
Assam DonBosco University,Assam

SKILLS

Data Analysis & Visualization: Excel, Power BI, Tableau, Matplotlib, Seaborn
Programming & Scripting: Python (Pandas, NumPy, Scikit-learn), C, C++
Machine Learning: Supervised & Unsupervised Learning & Regression
Deep Learning: neural network architectures (CNNs, RNNs, GANs, LSTMs)
Soft Skills: Problem-Solving, Critical Thinking, Communication,Attention to Detail

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PROJECTS

1. Automated Brain Tumor Detection Using Convolutional Neural Networks:

- Using a computer model called a **Convolutional Neural Network (CNN)** to find brain tumors in **MRI** scans.
- Used 3,060 MRI images in this study. Our CNN model was able to find brain tumors with **100% accuracy.**

2. Customer Churn Prediction (Python & Machine Learning):

- Built a predictive model using **logistic regression** to identify customers likely to churn.
- Performed **data preprocessing, feature engineering**, and model evaluation.
- Achieved **80% accuracy** in predicting churn.

CERTIFICATIONS

- Internship on system design for IoT Application organized by Technomate Edubotics(OPC) pvt.Ltd. Guwahati.
- Python Full Stack Developer trainee in Besant Technologies.Bengaluru, Karnataka.