ISHITA DAS

Software Engineer

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PROJECTS

Breast Cancer Disease Prediction
03/2024 - 05/2024

Breast Cancer Disease Prediction — Location

- Programming Background: Python, Deep Learning
- Developed a Deep Learning model to predict breast cancer using patient data and mammogram images. Used Artificial Neural Networks (ANN) and Convolutional Neural Networks (CNN) to analyse mammogram images for detecting malignant and benign tumours
- Achieved an accuracy of 95% with the ANN model and 98% with the CNN model, demonstrating significant improvements in predictive capabilities
- Contributed to the advancement of breast cancer diagnostic tools, potentially aiding healthcare professionals in making informed decisions and improving patient outcomes

Late Blight Disease Prediction of Tomato Leaf
11/2023 - 02/2024

Late Blight Disease Prediction of Tomato Leaf — Location

- Programming Background: Python, Machine Learning
- Developed a machine learning model to predict Tomato Late Blight Disease using various algorithms such as Decision Tree, Linear Regression, Random Forest, and Support Vector Machine
- Involved in data collection, preprocessing, training, and evaluation to achieve accurate predictions
- Key contributions included identifying key features, fine-tuning the model, and implementing it
- The Decision Tree model demonstrated superior accuracy, providing valuable insights for proactive disease management and prevention in agricultural practices
- Utilized Python, Scikit-learn, Pandas, NumPy, Matplotlib, Jupyter Notebook, and Git

Publication
Date period

Indian Journal of Natural Science — Location

- https://drive.google.com/file/d/1pPJdGNpO-iPLE2Nd_RTZlxploUxfkkQm/view?usp=drive_link

Credit Card Fraud Detection
06/2023 - 07/2023

Company Name — Location

- Programming Background: Python, Machine Learning
- Developed methods to detect credit card fraud through machine learning algorithms
- Monitored credit card transactions for suspicious activity such as unusual purchase patterns or high-value purchases
- Analysed large amounts of data to identify patterns and anomalies
- Utilized decision tree algorithms and biometric authentication for verifying the identity of the person making the transaction

EDUCATION

B.Tech in Computer Science and Engineering (Average CGPA 8.54)
Date period

JIS University — Kolkata, West Bengal

SUMMARY

⚫ Recent B.Tech Computer Science graduate with a strong foundation in programming and software development. • Proficient in C, Java, and Python, with hands-on experience in developing and implementing algorithms and data structures. • Demonstrated expertise in Machine Learning through academic projects, focusing on data analysis, predictive modeling, and neural networks. • Solid understanding of SQL for database management and manipulation. • Adept at problem-solving, analytical thinking, and collaborating in team environments. • Eager to leverage technical skills and academic knowledge to contribute to innovative projects and drive technological advancements.

LANGUAGES

Bengali	Advanced	●●●○○
English	Advanced	●●●○○
Hindi	Advanced	●●●○○

SKILLS

Algorithms · Artificial Intelligence · Data structure · Data Structures · Database management · Database management system · Decision tree · Deep Learning · Excel · Git · Github · Java · Jupyter · Jupyter notebook · Linear regression · Machine Learning · MatplotLib · Neural Networks · Numpy · Pandas · Power BI · Predictive modeling · Python · Random Forest · Scikit · Scikit-Learn · Sql

EDUCATION

Secondary (80.23%) 2021

Baksha B.N Vidyalaya Baksha, Hooghly, West Bengal

Senior Secondary (85.22%) 2021

Baksha B.N Vidyalaya Location

Certifications Date period

Courses/Training Location

- Artificial Intelligence & Machine Learning using Python
- Python Programming
- Coursera AI for Everyone

FIND ME ONLINE

Github
github.com/ishitadas56

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