Deepraj Bera

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EDUCATION

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY
Patia,Bhubaneswar,Odisha
B.Tech in Computer Science
August 2021 - July 2025
CGPA: 8.5/10.0

KENDRIYA VIDYALAYA (AFS)
Barrackpore,WB
AISSCE
April 2019 - April 2021
Percentage: 93.0

LINKS

Github: **deepraj21**
LinkedIn: **Deepraj Bera**
Website: **Portfolio**

CERTIFICATES

Scientific Computing with Python
Supervised Machine Learning
Data Processing Specialist
Streamlit Bootcamp
Responsive Web Design
Technical Support Fundamentals
Networking Fundamentals GCP
Project Development Using JAVA

SKILLS

PROGRAMMING

Languages:
C • C++ • Python • Java
Javascript • HTML/CSS • SQL
Library:
Bootstrap • ReactJS • Tailwind
Pandas • TensorFlow • Keras
scikit-learn • Flask
Developer Tools:
Git • Linux • Docker • VS Code
AWS

ACHIEVEMENTS

Secured victory in both the Institutional and Regional (East Region) categories of the 'Solving for India' competition, subsequently presenting our project at the GoogleIO'2023 Bangalore.

PROJECTS

JANSEVAK | Github
November 2023 – January 2024

- Developed JanSevak, a user-friendly web app to simplify healthcare access. Patients can book appointments and get predictions for brain tumors, eye cataracts, lung cancer, and early diseases, backed by accurate results above 0.84. We also provide helpful blogs on health and mental well-being.
- Implemented a machine learning model for disease prediction, enabling users to input symptoms and receive predictions. The model, trained on medical data, utilizes a Decision Tree Classifier to predict diseases accurately.
- Incorporated features such as video calls for telemedicine consultations, a comprehensive scans section for medical imaging information, and ensured user data privacy with a visible privacy policy.

PREDICT BAY | Github
April 2023 - July 2023

- Developed a real-time stock market predictor using machine learning to collect and preprocess real-time and historical market data. Applied feature engineering techniques to extract the performance of the stock market.
- Trained various Deep Learning models, including stacked LSTM, BILSTM, and GRU, on the preprocessed data to accurately predict future stock prices and implemented a Flask frontend with language-trained chathot and various indicators and trade models that allow users to invest in a user-picked stock over a specific period of time
- Implemented advanced cross-validation techniques to evaluate model performance, utilizing metrics such as RMSE(0.992) and MAE(0.900); project recognized as a finalist in the prestigious 'Solving for India' competition.

NEUROSCAN | Github
March 2023 – April 2023

- Tuned a model that can accurately detect brain tumors in medical imaging data, such as MRI scans. By leveraging advanced image processing techniques and machine learning algorithms, the model aims to assist healthcare professionals in the early and accurate diagnosis of brain tumors.
- Utilized Image Classification and Convolutional Neural Networks (CNN) to train a model using a dataset comprising 3762 brain images, achieving an impressive accuracy score of 0.9098 and a minimal loss of 0.2466.

EXPERIENCE

HACKATHONS

- Solving for India
- ICDCIT'2024

WEB DEVELOPMENT INTERN | CodeClause
May 2023 – June 2023

- Developed three projects with Python for the backend and utilized the Streamlit module for the frontend.