

BIBEK SAH

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OBJECTIVE

Aspiring Computer Science undergraduate with a strong foundation in Data Structures, Algorithms, and Machine Learning. Passionate about building scalable software solutions and applying AI techniques to solve real-world problems.

EDUCATION

Kalinga Institute of Industrial Technology (KIIT) Bhubaneswar, India
B.Tech in Computer Science Engineering 2023 – 2027
– CGPA: 7.69

TECHNICAL SKILLS

Languages: C, Java, Python, SQL, JavaScript, PHP

Libraries & Frameworks: NumPy, Pandas, TensorFlow, Scikit-learn

Core Concepts: Data Structures, Algorithms, OOP, DBMS

Data Analysis: Data Cleaning, Feature Engineering, EDA

Tools: Git, GitHub, Jupyter Notebook

PROJECTS

Diabetes Prediction System

- Developed a machine learning model to predict diabetes based on patient health data
- Performed data preprocessing, feature engineering, and exploratory data analysis
- Implemented classification algorithms using Scikit-learn
- Evaluated model performance using accuracy and other metrics
- GitHub: https://github.com/bibeko7/diabetes_prediction

8-Puzzle Solver using AI

- Implemented BFS, DFS, and A* algorithms to solve the problem efficiently
- Applied heuristic techniques to optimize performance
- Developed an Android application for real-time puzzle solving
- APK: <https://github.com/bibeko7/8-puzzle-game/releases/download/v1.1/app-release.apk>
- GitHub: <https://github.com/bibeko7/8-puzzle-game>

Full Stack Web Application

- Developed a full-stack web application using HTML, CSS, JavaScript, and PHP
- Integrated SQL database for backend data management
- Implemented dynamic user interaction features

Campus Navigation System (AI-Based)

- Built an AI-based navigation system using pathfinding algorithms
- Applied graph-based techniques for shortest path calculation
- Structured location data efficiently

Deep Learning Hallucination Detection System

- Developed a system to detect hallucinations in deep learning outputs
- Analyzed model predictions and inconsistencies

- Explored evaluation techniques

EXPERIENCE

Data Science & Machine Learning Intern (Self-Initiated)

- Built predictive models using machine learning algorithms
- Performed data cleaning, feature engineering, and EDA
- Implemented classification and regression models
- Evaluated models using accuracy and performance metrics

ADDITIONAL INFORMATION

- Strong problem-solving skills in Data Structures and Algorithms
- Actively learning AI, ML, and software development
- Passionate about building scalable applications

REFERENCES

Dr. Partha Pratim Sarangi

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