Risita Pattanayak

Bajitpur, Haldia – 721 645 risita1042003@gmail.com +91 – 9883550870

Personal Details

- Date of Birth- 10th April, 2003
- Nationality-Indian
- Permanent Address- Bajitpur, Haldia, Purba Medinipur, West Bengal
- Languages known: English, Hindi, Bengali

Career Objective

I am eager to secure a position that optimizes my skill and abilities, while contributing significantly to the organization's success and expansion.

Education

- B.Tech, Computer Science & Engineering
  2022-26
  Brainware University, CGPA – 9.12/10
- 12th (Senior Secondary Examination)
  2022
  WBCHSE Board, 90%
- 10th (Secondary Examination)
  2020
  WBBSE Board, 80%

Technical Skills

- Programming Languages – C, C++, Python, Bsics in Java
- Web Technologies – MySQL, HTML, CSS, JavaScript, UI/UX Design(Figma)

Academic Projects

- **Sustainable Fertilizer Usage Optimizer for Higher Yield** **Sep'4, 2024**
- **Hand Written Digit Recognition**
  Developed a high-accuracy handwritten digit classifier using the sklearn digits dataset, applying SVM for image classification. Visualized sample digits, evaluated model performance, and analysed misclassifications to enhance prediction accuracy and interpretability of the model. **March'16, 2025**

- **Titanic Survival Predictions**
  Built a Titanic survival prediction model using seaborn's Titanic dataset, applying data preprocessing techniques. Trained a Logistic Regression classifier, evaluated performance using accuracy, confusion matrix, and ROC-AUC, and developed a clear evaluation pipeline for model insights. **April'14, 2025**

- **Mood Based Playlist Generator using Machine Learning**
  It is an NLP-based Machine Learning project. I used Python, Keras, and TensorFlow, and I worked with the Kaggle Spotify Music Dataset. I completed this project on my own. **May'10, 2025**

Academic Research Paper

- Contribute to the development of a Digital Twin platform for Sustainable Smart Cities, collaborating with cross-functional teams to design and implement data-driven solutions. Utilized expertise in data analytics and visualization to optimize urban planning and infrastructure management. **Feb'21, 2025**
- AI-powered digital twins integrate patient-specific clinical, molecular, and imaging data to simulate cancer progression and treatment responses. These models enable personalized therapy planning, and adaptive interventions, enhancing precision oncology and improving patient outcomes. **Mar'25, 2025**
- AI-driven image processing analyzes wave patterns to optimize energy output in wave energy converters, enhancing efficiency and sustainability in marine energy systems through real-time data interpretation and adaptive control strategies. **April'26, 2025**

Trainings & Workshops

- 5 Days Workshop on Emerging Trends **Aug'19-23, 2024**
- Intel Industrial Training for 2 weeks **Feb'3-14, 2025**

Extra-curricular Activities

- Gender Equality Unveiling Reality and Dispelling Misconception dated **Sep'12, 2023**
- Internal Hackathon 2023 **Sep'22, 2023**
- YUVAMANTHAN- Poster Competition **Dec'13, 2023**
- Internal Hackathon 2024 **Sep'4, 2024**
- "Sustainable Smart Cities: Integrating Imaging and AI Digital Twins" Presented at ICCRET 2025 **Feb'21, 2025**

Hobbies & Interests

- Recitation
- Painting
- Singing

Signature – Risita Pattanayak **Date- 05/16/2025**