Fariya Afrin

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Education

Kalinga Institute of Industrial Technology (KIIT) *CGPA: 8.07/10*
Bachelor of Technology, Computer Science and Engineering *Aug 2021 – May 2025*
(Full-funded Bachelor's Scholarship Holder)

Technical Skills

- **Languages:** Python, C++, SQL
- **Web Development:** React.js, Node.js, HTML, CSS, JavaScript
- **Machine Learning,Deep Learning,Neural Networks,Artificial Intellegiance**
- **Databases:** SQL, MongoDB

Professional Experience

ML Developer,Sheba Group *Nov 2024 – Present*

- Implemented classification models to identify high-risk customers, achieving a model accuracy of 85% on historical data.
- Applied data preprocessing techniques including feature scaling, handling missing values, and encoding categorical data, reducing data inconsistencies by 40% and improving model training efficiency by 35%.

Research Intern,IIT Ropar *May 2024 – Jul 2024*

- Conducted research on Few-Shot Transfer Learning using Conditional GANs, achieving a 20% increase in model performance with limited data compared to traditional methods.
- Developed synthetic data for underrepresented classes, successfully improving transfer learning efficiency by 30% in comparative analyses.

Projects

AI-Powered Job Portal Website

- Built a MERN stack application with features like resume scoring, job postings, and alumni management.

Movie Recommendation System

- Designed a recommendation engine using collaborative filtering techniques to enhance user experience.

AI Chatbot for E-commerce

- Developed a Flask-based chatbot using NLP and LSTM, providing personalized customer support.

Healthcare Prediction Models

- Built CNN-LSTM-based models for real-time disease prediction with high accuracy.

Research Papers

- Presented a paper titled "***Quantifying Market Signals: An Ensemble IoT-driven Approach to Stock Market Prediction***" at the ICCCNet-2024 conference, a Scopus-indexed event. The paper focused on leveraging Internet of Things (IoT) data and ensemble techniques to enhance stock market prediction accuracy.
- Presented a paper titled "***Enhanced Toddler ASD Categorization Using Machine Learning: Leveraging LSTM-RF Fusion and Ensemble Techniques***" at the Scopus-indexed ICDAI-2024 conference, under the mentorship of Dr. Prasant Kumar Pattanaik and Dr. Anjan Bandyopadhyay.
- ***"A Hybrid Deep Learning Framework for Heart Disease Prediction Using RL-Optimized GAN Augmented Data with Explainable AI"*** – Submitted to Eprime under the supervision of Dr. Aleena Swetapadma (World's Top 2% Scientist).This paper focuses on predicting heart disease timely while maintaining transparency.

Leadership & Extracurriculars

- Manager, Kodessa (Women in Tech Society)
- Event Management Head, Youth Red Cross KIIT
- Marketing Executive, Google Developer Student Club (KIIT)